JVC

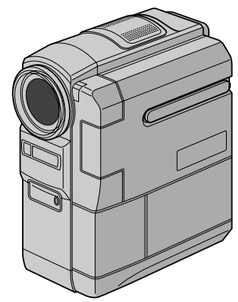
GR-DVM96U

# JVC

# SERVICE MANUAL

DIGITAL VIDEO CAMERA

# GR-DVM96U



Mini DV NTSC

DSC DIGITAL STILL CAMERA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JVC


No. 86681

S40895-04


## SPECIFICATIONS *(The specifications shown pertain specifically to the model GR-DVM76,DVM96)*

### Camcorder

#### For General

| | |
|---|---|
| **Power supply** | : DC 11.0 V (Using AC Adapter)<br>DC 7.2 V (Using battery pack) |
| **Power consumption** | |
| **LCD monitor off, viewfinder on** | : Approx. 4.5 W (GR-DVM96)/Approx. 3.8 W (GR-DVM76) |
| **LCD monitor on, viewfinder off** | : Approx. 5.4 W (GR-DVM96)/Approx. 4.7 W (GR-DVM76) |
| **Dimensions (W x H x D)** | : 54 mm x 113.5 mm x 96 mm (2-3/16″ x 4-1/2″ x 3-13/16″)<br>(with the LCD monitor closed and the viewfinder pushed back in) |
| **Weight** | : Approx. 490 g (1.1 lbs)<br>(incl. grip belt) |
| **Operating temperature** | : 0°C to 40°C (32°F to 104°F) |
| **Operating humidity** | : 35% to 80% |
| **Storage temperature** | : –20°C to 50°C (–4°F to 122°F) |
| **Pickup** | : 1/3.8″ CCD (GR-DVM96)<br>1/4″ CCD (GR-DVM76) |
| **Lens** | : F 1.8, f = 3.8 mm to 38 mm, 10:1 power zoom lens (GR-DVM96)<br>F 1.8, f = 3.6 mm to 36 mm, 10:1 power zoom lens (GR-DVM76) |
| **Filter diameter** | : ø27 mm |
| **LCD monitor** | : 2.5″ diagonally measured, LCD panel/TFT active matrix system |
| **Viewfinder** | : Electronic viewfinder with 0.44″ black/white LCD |
| **Speaker** | : Monaural |

#### For Digital Video Camera

| | |
|---|---|
| **Format** | : DV format (SD mode) |
| **Signal format** | : NTSC standard |
| **Recording/Playback format** | : Video : Digital component recording<br>Audio : PCM digital recording, 32 kHz 4-channel (12-bit), 48 kHz 2-channel (16-bit) |
| **Cassette** | : Mini DV cassette |
| **Tape speed** | : SP: 18.8 mm/s<br>LP: 12.5 mm/s |
| **Maximum recording time (using 80 min. cassette)** | : SP: 80 min.<br>LP: 120 min. |

#### For Digital Still Camera

| | |
|---|---|
| **Storage media** | : SD Memory Card/MultiMediaCard |
| **Compression system** | : Still image : JPEG (compatible)<br>Moving image*: MPEG4 (compatible) |
| **File size** | |
| **Still Image** | : 3 modes (1280 x 960 pixels*/1024 x 768 pixels/640 x 480 pixels) |
| **Moving Image*** | : 1 mode (160 x 120 pixels) |
| **Picture quality** | : 2 modes (FINE/STANDARD) |
| **Approximate number of storable images** | : ☞ pg. 50 |

* GR-DVM96 only

#### For Connectors

| | |
|---|---|
| **AV** | |
| **Video output** | : 1 V (p-p), 75 Ω, analog |
| **Audio output** | : 300 mV (rms), 1 kΩ, analog, stereo |
| **Headphone output (GR-DVM96 only)** | : Stereo |
| **S-VIDEO** | : Y: 1 V (p-p), 75 Ω, analog output<br>C: 0.29 V (p-p), 75 Ω, analog output |
| **DV** | |
| **Input/output** | : 4-pin, IEEE 1394 compliant |
| **USB** | : 5-pin |
| **EDIT** | : ø3.5 mm, 2-pole |

### AC Adapter

#### For General

| | |
|---|---|
| **Power requirement** | |
| **U.S.A. and Canada** | : AC 120 V ∼ , 60 Hz |
| **Other countries** | : AC 110 V to 240 V ∼ , 50 Hz/60 Hz |
| **Output** | : DC 11.0 V ⎓ , 1.0 A |

*Specifications shown are for SP mode unless otherwise indicated. E & O.E.*
*Design and specifications subject to change without notice.*


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# Important Safety Precautions

Prior to shipment from the factory, JVC products are strictly inspected to conform with the recognized product safety and electrical codes of the countries in which they are to be sold. However, in order to maintain such compliance, it is equally important to implement the following precautions when a set is being serviced.

## ● Precautions during Servicing

1. Locations requiring special caution are denoted by labels and inscriptions on the cabinet, chassis and certain parts of the product. When performing service, be sure to read and comply with these and other cautionary notices appearing in the operation and service manuals.

2. Parts identified by the ⚠ symbol and shaded ( ) parts are critical for safety.
   Replace only with specified part numbers.
   **Note: Parts in this category also include those specified to comply with X-ray emission standards for products using cathode ray tubes and those specified for compliance with various regulations regarding spurious radiation emission.**

3. Fuse replacement caution notice.
   Caution for continued protection against fire hazard.
   Replace only with same type and rated fuse(s) as specified.

4. Use specified internal wiring. Note especially:
   1) Wires covered with PVC tubing
   2) Double insulated wires
   3) High voltage leads

5. Use specified insulating materials for hazardous live parts. Note especially:
   1) Insulation Tape 3) Spacers 5) Barrier
   2) PVC tubing 4) Insulation sheets for transistors

6. When replacing AC primary side components (transformers, power cords, noise blocking capacitors, etc.) wrap ends of wires securely about the terminals before soldering.

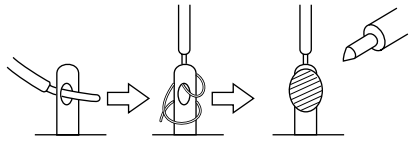


**Fig.1**

7. Observe that wires do not contact heat producing parts (heatsinks, oxide metal film resistors, fusible resistors, etc.)

8. Check that replaced wires do not contact sharp edged or pointed parts.

9. When a power cord has been replaced, check that 10-15 kg of force in any direction will not loosen it.

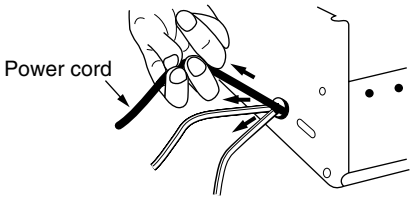



**Fig.2**

10. Also check areas surrounding repaired locations.

11. Products using cathode ray tubes (CRTs)
    In regard to such products, the cathode ray tubes themselves, the high voltage circuits, and related circuits are specified for compliance with recognized codes pertaining to X-ray emission.
    Consequently, when servicing these products, replace the cathode ray tubes and other parts with only the specified parts. Under no circumstances attempt to modify these circuits.
    Unauthorized modification can increase the high voltage value and cause X-ray emission from the cathode ray tube.

12. Crimp type wire connector
    In such cases as when replacing the power transformer in sets where the connections between the power cord and power transformer primary lead wires are performed using crimp type connectors, if replacing the connectors is unavoidable, in order to prevent safety hazards, perform carefully and precisely according to the following steps.

    **1) Connector part number :** E03830-001
    **2) Required tool :** Connector crimping tool of the proper type which will not damage insulated parts.
    **3) Replacement procedure**
    (1) Remove the old connector by cutting the wires at a point close to the connector.
    Important : Do not reuse a connector (discard it).

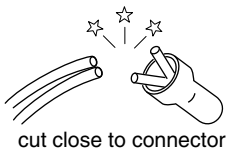



**Fig.3**

(2) Strip about 15 mm of the insulation from the ends of the wires. If the wires are stranded, twist the strands to avoid frayed conductors.

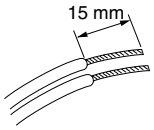



**Fig.4**

(3) Align the lengths of the wires to be connected. Insert the wires fully into the connector.

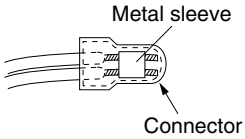



**Fig.5**

(4) As shown in Fig.6, use the crimping tool to crimp the metal sleeve at the center position. Be sure to crimp fully to the complete closure of the tool.

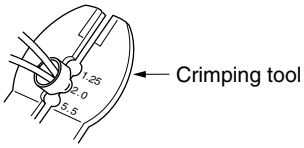



**Fig.6**

(5) Check the four points noted in Fig.7.

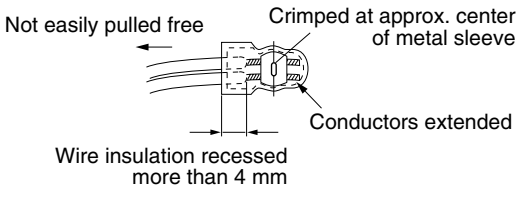

Not easily pulled free
Crimped at approx. center of metal sleeve
Conductors extended
Wire insulation recessed more than 4 mm

**Fig.7**

# ● Safety Check after Servicing

Examine the area surrounding the repaired location for damage or deterioration. Observe that screws, parts and wires have been returned to original positions, Afterwards, perform the following tests and confirm the specified values in order to verify compliance with safety standards.

**1. Insulation resistance test**

Confirm the specified insulation resistance or greater between power cord plug prongs and externally exposed parts of the set (RF terminals, antenna terminals, video and audio input and output terminals, microphone jacks, earphone jacks, etc.). See table 1 below.

**2. Dielectric strength test**

Confirm specified dielectric strength or greater between power cord plug prongs and exposed accessible parts of the set (RF terminals, antenna terminals, video and audio input and output terminals, microphone jacks, earphone jacks, etc.). See table 1 below.

**3. Clearance distance**

When replacing primary circuit components, confirm specified clearance distance (d), (d') between soldered terminals, and between terminals and surrounding metallic parts. See table 1 below.

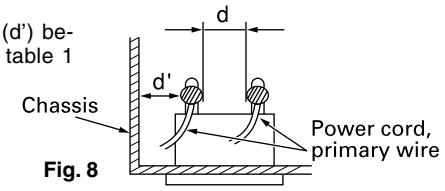



**Fig. 8**

**4. Leakage current test**

Confirm specified or lower leakage current between earth ground/power cord plug prongs and externally exposed accessible parts (RF terminals, antenna terminals, video and audio input and output terminals, microphone jacks, earphone jacks, etc.).

**Measuring Method :** (Power ON)

Insert load Z between earth ground/power cord plug prongs and externally exposed accessible parts. Use an AC voltmeter to measure across both terminals of load Z. See figure 9 and following table 2.

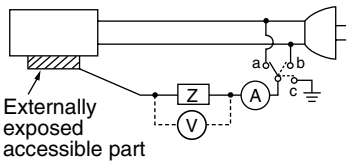



**Fig. 9**

**5. Grounding (Class 1 model only)**

Confirm specified or lower grounding impedance between earth pin in AC inlet and externally exposed accessible parts (Video in, Video out, Audio in, Audio out or Fixing screw etc.).

**Measuring Method:**

Connect milli ohm meter between earth pin in AC inlet and exposed accessible parts. See figure 10 and grounding specifications.

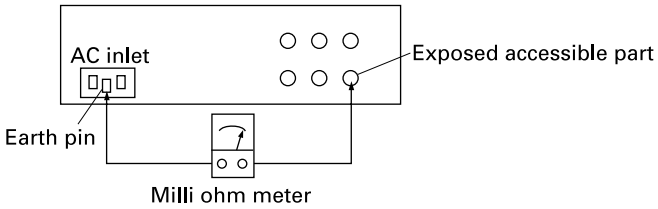



**Fig. 10**

**Grounding Specifications**

| Region | Grounding Impedance (Z) |
|---|---|
| USA & Canada | Z ≦ 0.1 ohm |
| Europe & Australia | Z ≦ 0.5 ohm |

| AC Line Voltage | Region | Insulation Resistance (R) | Dielectric Strength | Clearance Distance (d), (d') |
|---|---|---|---|---|
| 100 V | Japan | R ≧ 1 MΩ/500 V DC | AC 1 kV 1 minute | d, d' ≧ 3 mm |
| 100 to 240 V | | | AC 1.5 kV 1 miute | d, d' ≧ 4 mm |
| 110 to 130 V | USA & Canada | 1 MΩ ≦ R ≦ 12 MΩ/500 V DC | AC 1 kV 1 minute | d, d' ≧ 3.2 mm |
| 110 to 130 V<br>200 to 240 V | Europe & Australia | R ≧ 10 MΩ/500 V DC | AC 3 kV 1 minute (Class Ⅱ)<br>AC 1.5 kV 1 minute (Class Ⅰ) | d ≧ 4 mm<br>d' ≧ 8 mm (Power cord)<br>d' ≧ 6 mm (Primary wire) |

**Table 1** Specifications for each region

| AC Line Voltage | Region | Load Z | Leakage Current (i) | a, b, c |
|---|---|---|---|---|
| 100 V | Japan | 1 kΩ | i ≦ 1 mA rms | Exposed accessible parts |
| 110 to 130 V | USA & Canada | 0.15 μF, 1.5 kΩ | i ≦ 0.5 mA rms | Exposed accessible parts |
| 110 to 130 V<br>220 to 240 V | Europe & Australia | 2 kΩ | i ≦ 0.7 mA peak<br>i ≦ 2 mA dc | Antenna earth terminals |
| | | 50 kΩ | i ≦ 0.7 mA peak<br>i ≦ 2 mA dc | Other terminals |

**Table 2** Leakage current specifications for each region

**Note:** These tables are unofficial and for reference only. Be sure to confirm the precise values for your particular country and locality.

# SECTION 1
# DISASSEMBLY

## 1.1 BEFORE ASSEMBLY AND DISASSEMBLY

### 1.1.1 Precautions

1. Be sure to remove the power supply unit prior to mounting and soldering of parts.
2. When removing a component part that needs to disconnect the connector and to remove the screw for removing itself, first disconnect the connecting wire from the connector and then remove the screw beforehand.
3. When connecting and disconnecting the connectors, be careful not to damage the wire.
4. Carefully remove and handle the part to which some spacer or shield is attached for reinforcement or insulation.
5. When replacing chip parts (especially IC parts), desolder completely first (to prevent peeling of the pattern).
6. Tighten screws properly during the procedures.
   Unless specified otherwise, tighten screws at a torque of 0.078N•m(0.8kgf•cm).

### 1.1.2 Assembly and disassembly

| STEP No. | PART | Fig.No. | POINT | NOTE |
|---|---|---|---|---|
| ① | FRONT COVER ASSY | Fig.1-3-1, Fig.1-3-2 | (S①a), (S①b), 2(S①c), (S①d), (S①e) (Remove screw No.1 – 6) | NOTE① a NOTE① b NOTE① c |
| | | | | |
| (1) | (2) | (3) | (4) | (5) |

(1) Indicate the disassembly steps. When assembling, perform in the reverse order of these steps. This number corresponds to the number in the disassembly diagram.

(2) Indicates the name of disassembly/assembly parts.

(3) Indicates the number in the disassembly diagram.

(4) Indicates parts and points such as screws, washers, springs which must be removed during disassembly/assembly.

| Symbol | Name, Point |
|---|---|
| S | Screw |
| L | Lock, Pawl, Hook |
| SD | Soldering |
| ☆(Others) | Connector, Cover, Bracket, etc. |

(Example)
- 2 (S①) : Remove the two screws (S①) for removing the part ①.
- CN ①a: Disconnect the connector ①a.
- SD ① : Unsolder at the point SD ①.

(5) Precautions on disassembly/assembly.

### 1.1.3 Destination of connectors

Note: *Three kinds of double-arrows in connection tables respectively show kinds of connector/wires.*
↔ : Wire
⇔ : Flat wire (FPC, FFC)
⬌ : Board to Board connector

[Example]

| CONN. No. | CONNECTOR | | | | | Pin No. |
|---|---|---|---|---|---|---|
| CN②a | MAIN | CN103 | ⬌ | JACK | CN501 | 60 |
| CN②b | MAIN | CN104 | ⇔ | MONITOR | CN761 | 45/39 |

### 1.1.4 Disconnection of connectors (Wires)

Connector
Pull both ends of the connector in the arrow direction, remove the lock and disconnect the flat wire.

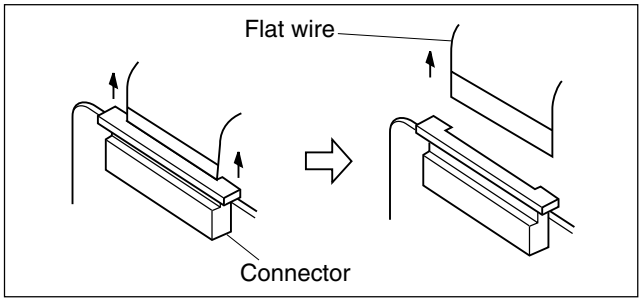



Fig. 1-1-1 Connector 1

Extend the locks in the direction of the arrow for unlocking and then pull out the wire. After removing the wire, immediately restore the locks to their original positions because the locks are apt to come off the connector.

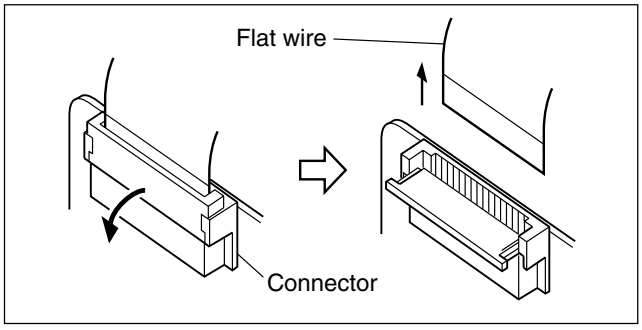



Fig. 1-1-2 Connector 2

B-B connector
Pull the board by both the sides in the direction of the arrow for disconnecting the B-B connector.

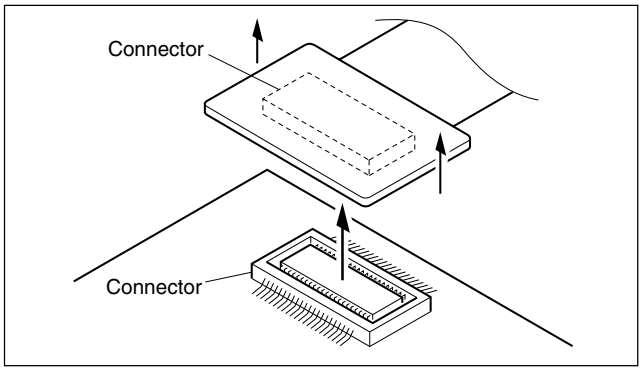



Fig. 1-1-3 Connector 3

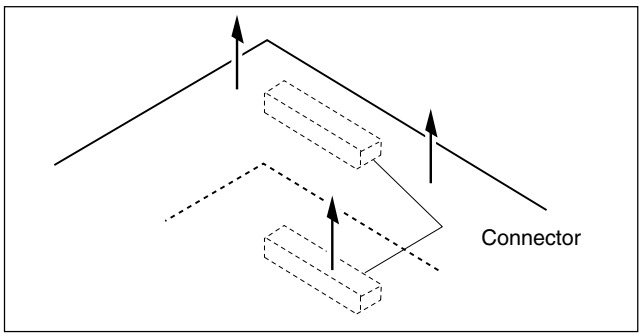



Fig. 1-1-4 Connector 4

## 1.2 JIGS AND TOOLS REQUIRED FOR DISASSEMBLY, ASSEMBLY AND ADJUSTMENT

### 1.2.1 Tools required for adjustments

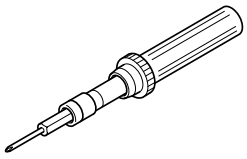
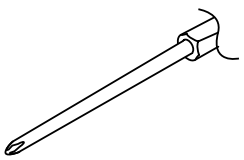
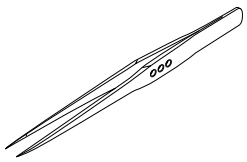
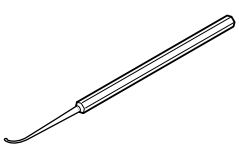
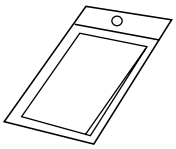
| | |
|---|---|
| 1 Torque driver<br>YTU94088 | 2 Bit<br>YTU94088-003 |
|  |  |
| 3 Tweezers<br>P-895 | 4 Chip IC replacement jig<br>PTS40844-2 |
|  |  |
| 5 Cleaning cloth<br>KSMM-01 | |
|  | |

Table 1-2-1

1. **Torque driver**
   Be sure to use to fastening the mechanism and exterior parts because those parts must strictly be controlled for tightening torque.
2. **Bit**
   This bit is slightly longer than those set in conventional torque drivers.
3. **Tweezers**
   To be used for removing and installing parts and wires.
4. **Chip IC replacement jig**
   To be used for adjustment of the camera system.
5. **Cleaning cloth**
   Recommended cleaning cloth to wipe down the video heads, mechanism (tape transport system), optical lens surface.

## 1.3 DISASSEMBLY/ASSEMBLY OF CABINET PARTS AND BOARD ASSEMBLY

### 1.3.1 Disassembly flow chart

This flowchart indicates the disassembly step for the cabinet parts and board assembly in order to gain access to item(s) to be serviced. When reassembling, perform the step(s) in reverse order.

| | |
|---|---|
| ① | FRONT COVER ASSY |
| ②<br>/<br>③<br>/<br>④ | UPPER CASE ASSY<br>( Incl MONITOR ASSY )<br>COVER (DV)<br>COVER (JACK) |
| ⑤ | MONITOR ASSY |
| ⑥ | TOP COVER ASSY<br>( Incl MIC UNIT ) |
| ⑦ | LOWER CASE ASSY<br>( Incl OP BLOCK ASSY / E.VF ASSY ) |
| ⑧ | OP BLOCK ASSY |
| ⑨ | OP BRACKET |
| ⑩ | E.VF ASSY |
| ⑪ | AUDIO BOARD ASSY |
| ⑫ | MDA BOARD ASSY |
| ⑬ | MAIN BOARD ASSY |
| ⑭ | MECHANISM ASSY |

Table 1-3-1

### 1.3.2 Disassembly method

| STEP No. | PART | Fig.No. | POINT | NOTE |
|---|---|---|---|---|
| ① | FRONT COVER ASSY | Fig.1-3-1, Fig.1-3-2 | (S①a), (S①b), 2(S①c), (S①d), (S①e) (Remove screw No.1 – 6) | NOTE① a NOTE① b NOTE① c |
| ② / ③ / ④ | UPPER CASE ASSY ( Incl MONITOR ASSY ) / COVER (DV) / COVER (JACK) | | (S②a), (S②b), (S②c), 2(S②d), (S②e), (S②f), CN②a, CN②b (Remove screw No.7 – 13) | NOTE② |
| ⑤ | MONITOR ASSY | Fig.1-3-2 | 2(S⑤) (Remove screw No.14 – 15) | NOTE⑤ |
| ⑥ | TOP COVER ASSY ( Incl MIC UNIT ) | Fig.1-3-1 | (S⑥a), (S⑥b), (L⑥), CN⑥ (Remove screw No.16 – 17) | |
| ⑦ | LOWER CASE ASSY ( Incl OP BLOCK ASSY / E.VF ASSY ) | | 5(S⑦), CN⑦a, CN⑦b, CN⑦c, CN⑦d (Remove screw No.18 – 22) | |
| ⑧ | OP BLOCK ASSY | | 2(S⑧), 2(L⑧) (Remove screw No.23 – 24) | NOTE⑧ |
| ⑨ | OP BRACKET | | (S⑨ ) (Remove screw No.25) | |
| ⑩ | E.VF ASSY | | (S⑩), CN⑩ (Remove screw No.26) | |
| ⑪ | AUDIO BOARD ASSY | | 3(S⑪) (Remove screw No.27 – 29) | |
| ⑫ | MDA BOARD ASSY | | (S⑫a), (S⑫b), CN⑫a, CN⑫b, CN⑫c, CN⑫d, CN⑫e (Remove screw No.30 – 31) | |
| ⑬ | MAIN BOARD ASSY | | (S⑬), CN⑬a, CN⑬b (Remove screw No.32) | |
| ⑭ | MECHANISM ASSY | | (S⑭a), 2(S⑭b), BRACKET(MECHA) (Remove screw No.33 – 35) | |

Table 1-3-2

**NOTE ①a:** *Open the Monitor to remove the screws 3 and 4.*

**NOTE ①b:** *Open the Cover (DV) to remove the screw 2 located inside of Cover (DV).*

**NOTE ①c:** *Open the Cover (JACK) to remove the Front Cover assembly.*

**NOTE ②:** *Remove the Upper Case assembly to remove the Monitor.*

**NOTE ⑤:** *Refer to Fig. 1-4-1 for the disassembly method.*

**NOTE ⑧:** *Refer to Fig. 1-5-1 for the disassembly method.*

**Note:** *Remove the parts marked in* .

| CONN. No. | CONNECTOR | | | | | Pin No. |
|---|---|---|---|---|---|---|
| CN②a | MAIN | CN103 | ⬌ | JACK | CN501 | 60 |
| CN②b | MAIN | CN104 | ⇔ | MONITOR | CN761 | 45/39 |
| CN⑥ | AUDIO | CN803 | ↔ | MIC UNIT | — | 4 |
| CN⑦a | MAIN | CN101 | ⬌ | AUDIO | CN801 | 60 |
| CN⑦b | MAIN | CN107 | ⇔ | CCD | — | 20 |
| CN⑦c | MAIN | CN108 | ⇔ | OP BLOCK ASSY | — | 24 |
| CN⑦d | MDA | CN206 | ⇔ | CAMERA OPE UNIT | — | 14 |
| CN⑩ | AUDIO | CN802 | ⇔ | E.VF ASSY | CN7001 | 20 |
| CN⑫a | MDA | CN201 | ⇔ | LOADING MOTOR | — | 6 |
| CN⑫b | MDA | CN202 | ⇔ | DRUM MOTOR | — | 11 |
| CN⑫c | MDA | CN205 | ⬌ | MAIN | CN102 | 60 |
| CN⑫d | MDA | CN203 | ⇔ | CAPSTAN MOTOR | — | 18 |
| CN⑫e | MDA | CN204 | ⇔ | SENSOR | — | 15 |
| CN⑬a | MAIN | CN110 | ⇔ | HEAD | — | 8 |
| CN⑬b | MAIN | CN106 | ⇔ | ROTARY ENCODER | — | 6 |

Table 1-3-3

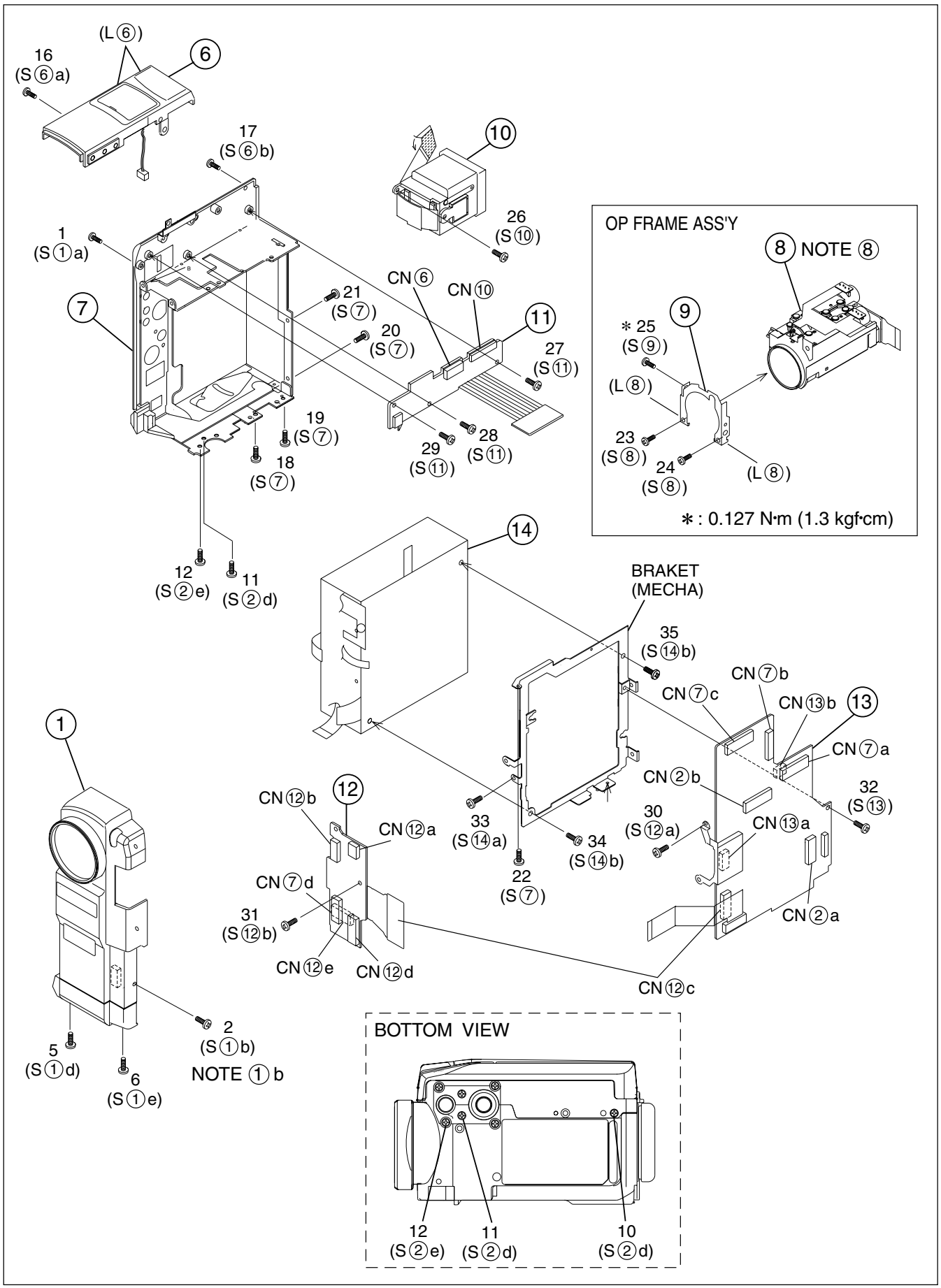

(L ⑥)
16
(S ⑥a)
6
17
(S ⑥b)
10
26
(S ⑩)
1
(S ①a)
7
21
(S ⑦)
20
(S ⑦)
CN ⑥
CN ⑩
11
27
(S ⑪)
19
(S ⑦)
18
(S ⑦)
29
(S ⑪)
28
(S ⑪)
12
(S ②e)
11
(S ②d)
OP FRAME ASS'Y
8
NOTE ⑧
9
＊25
(S ⑨)
(L ⑧)
23
(S ⑧)
24
(S ⑧)
(L ⑧)
＊: 0.127 N·m (1.3 kgf·cm)
14
BRAKET
(MECHA)
35
(S ⑭b)
CN ⑦b
CN ⑦c
CN ⑬b
13
CN ⑦a
CN ②b
32
(S ⑬)
1
CN ⑫b
12
CN ⑫a
33
(S ⑭a)
34
(S ⑭b)
30
(S ⑫a)
CN ⑬a
22
(S ⑦)
CN ⑦d
31
(S ⑫b)
CN ②a
CN ⑫e
CN ⑫d
CN ⑫c
2
(S ①b)
NOTE ① b
5
(S ①d)
6
(S ①e)
BOTTOM VIEW
12
(S ②e)
11
(S ②d)
10
(S ②d)

Fig. 1-3-1

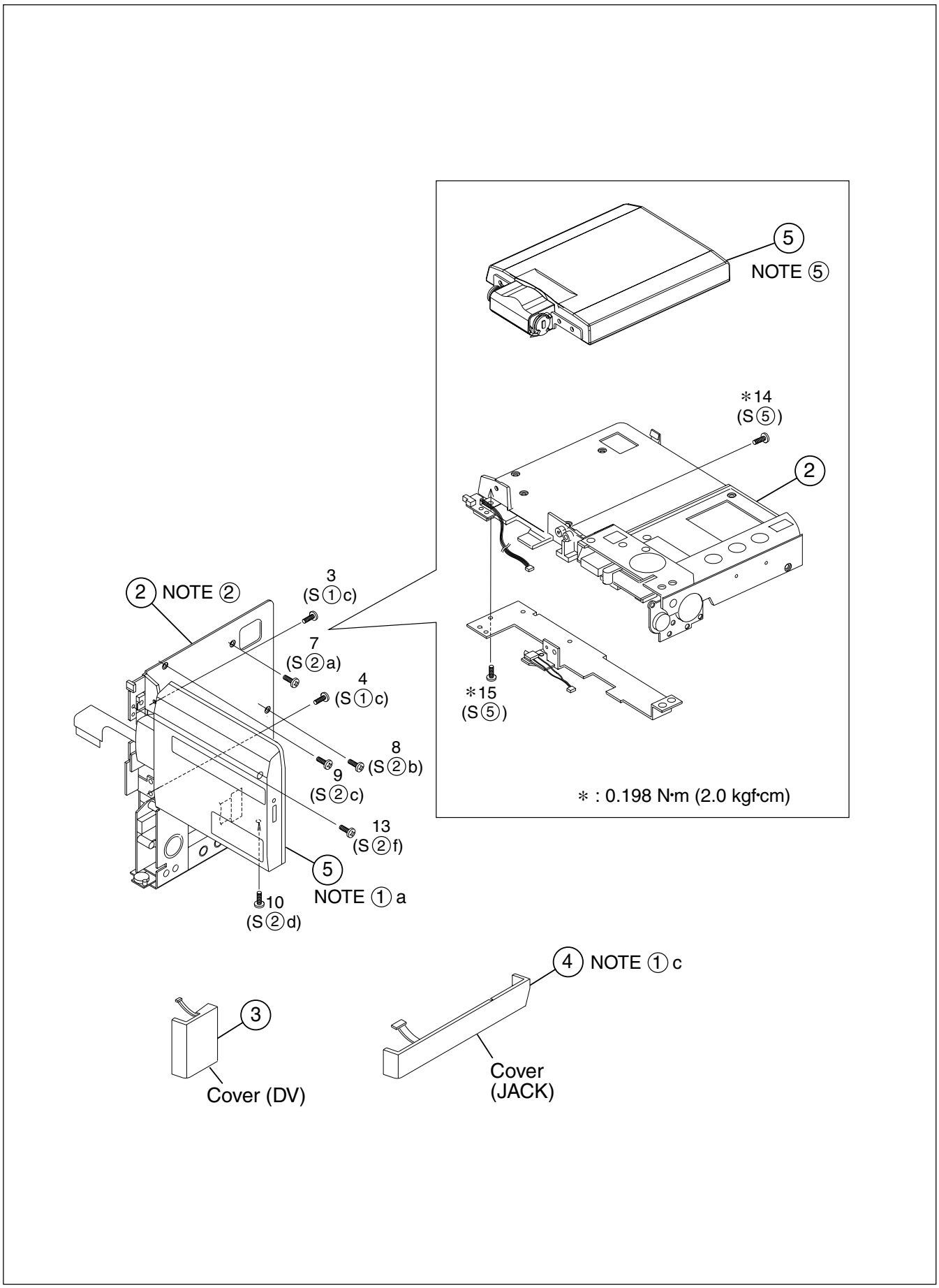

5
NOTE ⑤
＊14
(S⑤)
2
＊15
(S⑤)
＊ : 0.198 N·m (2.0 kgf·cm)
2 NOTE ②
3
(S①c)
7
(S②a)
4
(S①c)
8
(S②b)
9
(S②c)
13
(S②f)
5
NOTE ① a
10
(S②d)
4 NOTE ① c
3
Cover (DV)
Cover
(JACK)

Fig. 1-3-2

## 1.4 DISASSEMBLY OF ⑤ MONITOR ASSEMBLY

### 1.4.1 ⑤ Monitor assembly/Hinge assembly

1. Remove the four screws (1-4). While opening the monitor cover assembly as shown by the arrow, release the three hooks (L⑤a, L⑤b, L⑤c) from engagement and remove the monitor cover assembly.
2. Remove the parts out of the monitor case and unlock the connector CN⑤a. While raising the hinge assembly upwards, get the two hooks (L⑤d, L⑤e) disengaged and disconnect the FPC by pulling it out. Then, remove the hinge assembly.

**Note⑤a:** *When removing the parts out of the monitor case assembly, be very careful not to damage the FPC and parts.*

3. Disconnect FPC from the connector CN⑤b and hook (L⑤f) then remove the MONITOR board assembly and backlight.

**Note⑤b:** *Remove the MONITOR board assembly and backlight together unless it is needed to separate them from each other for part replacement, etc., because the two are soldered to each other.*

4. Remove the LCD module.

### 1.4.2 Hinge assembly

1. Remove the two screws (5, 6). While releasing the two hooks (L⑤g, L⑤h) from engagement, remove the hinge cover (U).

**Note⑤c:** *Be careful not to lose any part during the above-mentioned process.*

2. Draw the FPC assembly out of the hinge cover (L) and then remove the FPC assembly from the hinge assembly.

**Note⑤d:** *When reassembling, wind the FPC assembly around the hinge assembly by three turns and a half.*

*Be careful not to break the FPC wire during the work.*

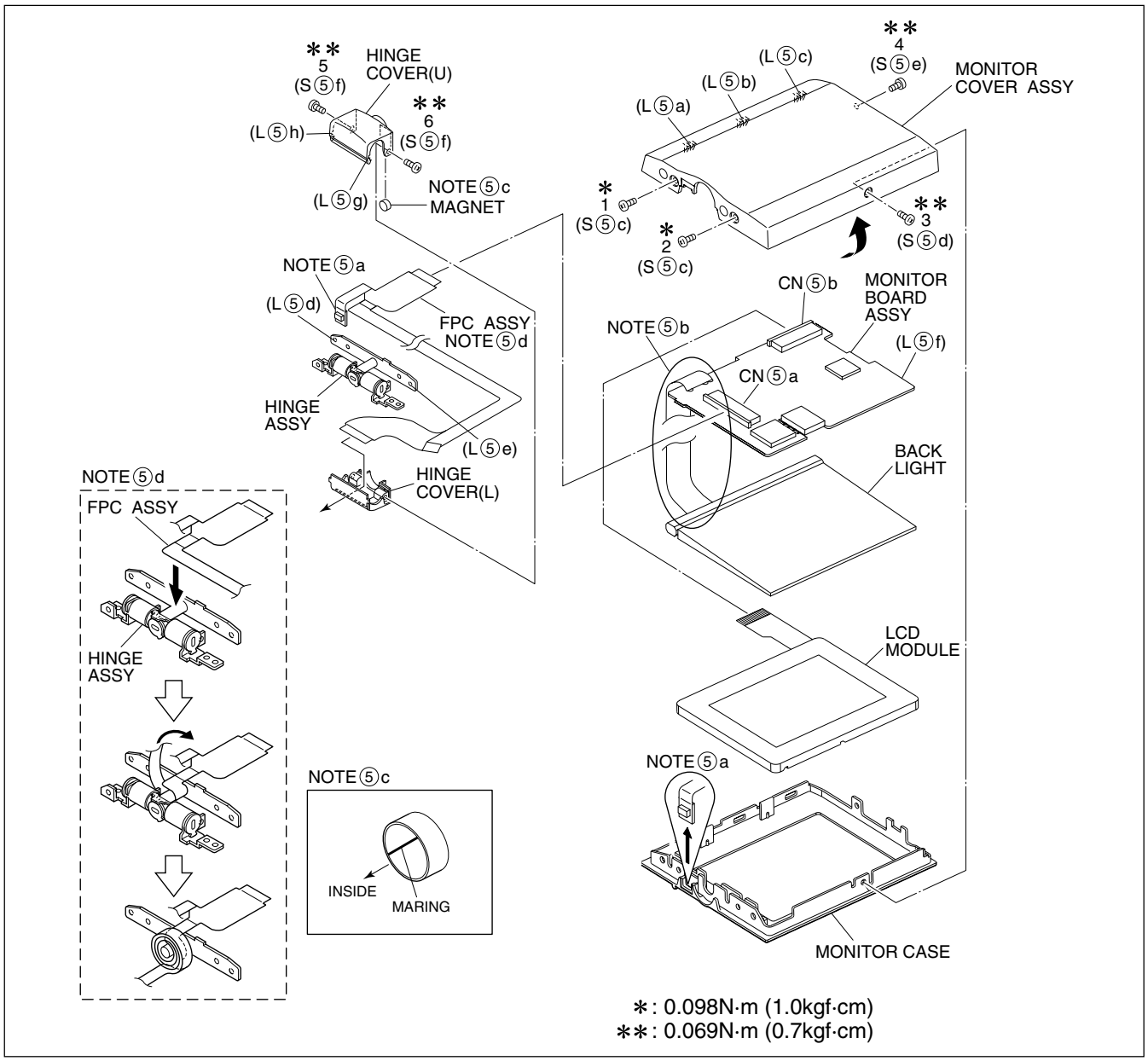



Fig. 1-4-1

## 1.5 DISASSEMBLY OF ⑧ OP BLOCK ASSEMBLY/CCD BOARD ASSEMBLY

### 1.5.1 Precautions

1. Carefully handle the CCD image sensor, optical LPF, lens, etc. during the disassembly work. Pay the most careful attention to the surface of those parts not to get it soiled, scratched or dusty. If some of those surfaces gets soiled with fingerprints, etc., wipe it out with silicone paper, clean chamois, cleaning cloth or the like.
2. The new CCD image sensor is occasionally shipped from the factory as a protection seal is applied onto its transparent glass. If so, leave the protection seal as it is and remove it just before installing the CCD image sensor in the OP block assembly.

### 1.5.2 How to remove OP block assembly and CCD board assembly

1. Unsolder at the fourteen points (SD⑧) and remove the CCD board assembly.
2. Remove the two screws (1, 2) and then remove the CCD base assembly.

**Note⑧a:** *Carefully remove the CCD base assembly, because the space rubber and optical LPF may be removed together with the CCD image sensor.*

**Note⑧b:** *When replacing the CCD image sensor, don't replace it individually but replace the CCD base assembly in whole with a new one.*

### 1.5.3 How to install OP block assembly and CCD board assembly

1. Install the optical LPF with the space rubber fitted to its CCD side in the OP block assembly.
2. Paying heed to the space rubber not to get it to come off the setting position, install the CCD base assembly in place and fasten it together with the space rubber with the two screws (1, 2).
3. Set the CCD board assembly in the CCD base assembly, and fasten it by soldering at the fourteen points (SD⑧).

### 1.5.4 Replacement of service parts

Service parts to be supplied for the OP block assembly are as follows.
When replacing a part, be very careful not to get the FPC wire broken or damaged by soldering (overheating).

1. Focus motor
2. Zoom motor
3. Iris motor unit

**Note⑧c:** *When soldering the FPC wire of the focus motor or zoom motor during the replacement work, be sure to keep the tip of a soldering iron approximately 1 mm above the terminal.*

**Note⑧d:** *The iris motor unit includes one FPC assembly and two sensors.*

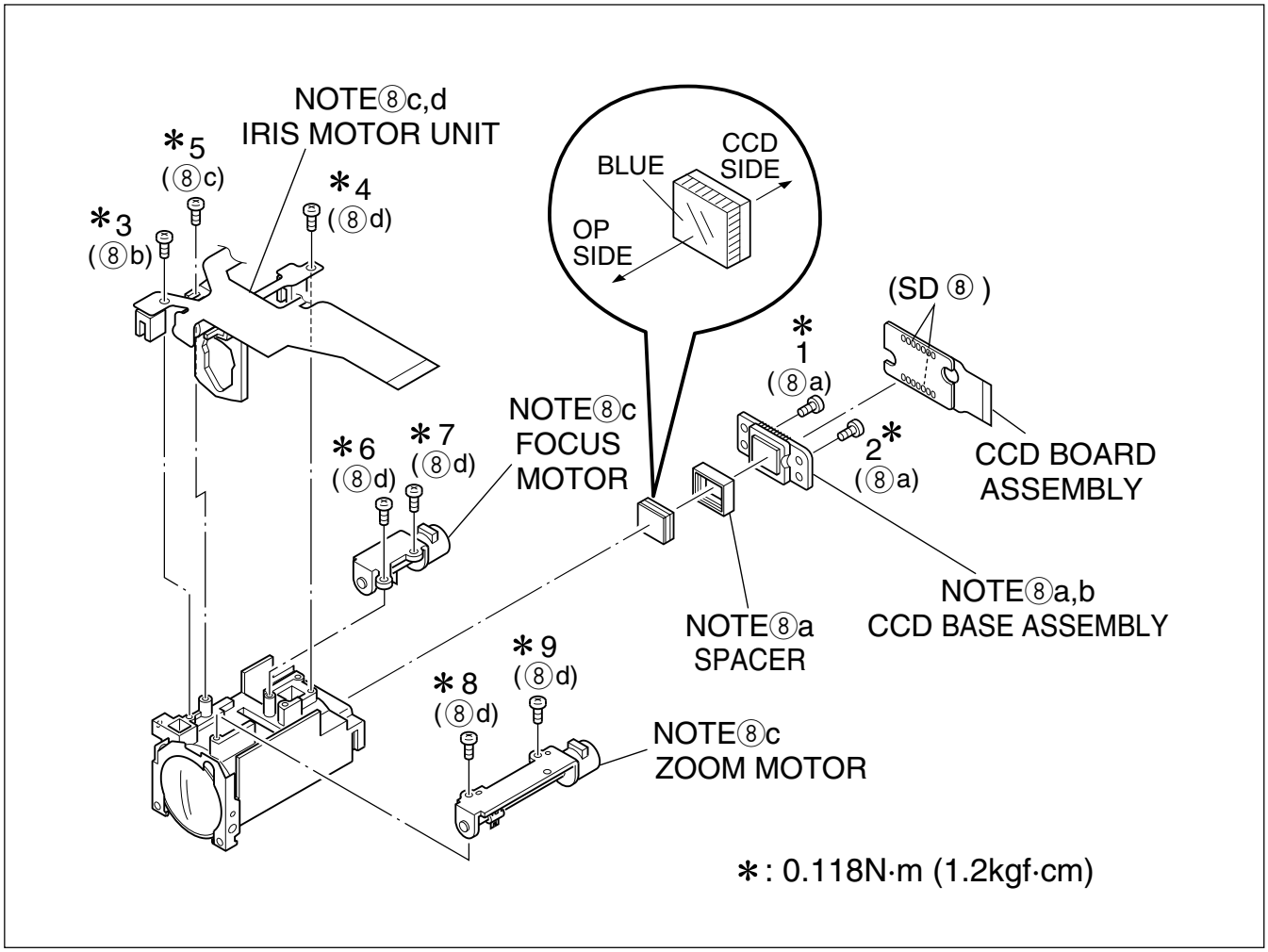



Fig. 1-5-1

### 1.6 DISASSEMBLY OF ⑩ E. VF ASSEMBLY

#### 1.6.1 ⑩E. VF assembly

**Note⑩a:** *Be very careful not to get the inside of the VF soiled or dusty during and after disassembling the E.VF assembly.*

1. Remove the three screws (1 to 3) to remove bracket assy and bracket assy(L) and then pull out the holder(VF).
2. Remove the screw (4) and get the hook (L⑩) disengaged and the remove the case(VF) and pull out the tube(VF).

   **Note⑩b:** *Be careful not to lose the KNOB(VF).*
3. Remove the EYE CUP.
4. Remove the lens assy and pull out the case(VF).

   **Note⑩c:** *Be careful not to lose the spring(LENS).*
5. Remove the two screws (5,6) to remove holder(LCD) and pull out the holder(VF).

   **Note⑩d:** *Pay need the parts not to damage anything.*

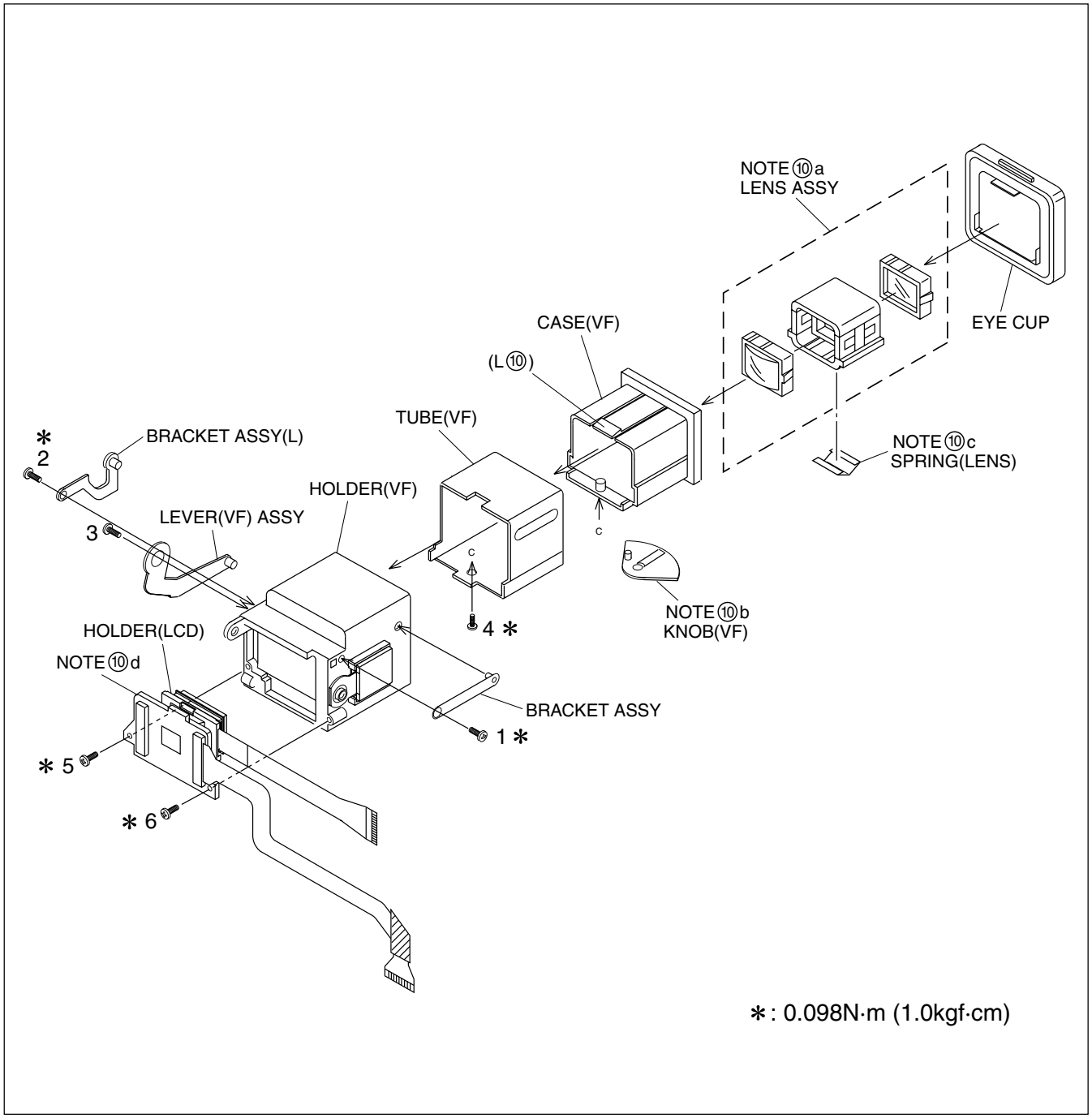


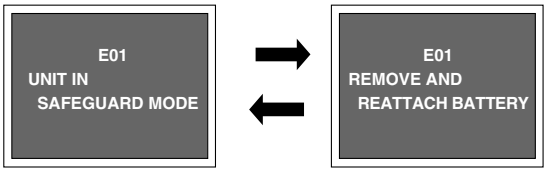

Fig. 1-6-1

## 1.7 EMERGENCY DISPLAY

Whenever some abnormal signal is input to the syscon CPU, an error number (E01, as an example) is displayed on the LCD monitor or (in the electronic view finder).
In every error status, such the message as shown below alternately appear over and over.

- In an emergency mode, all operations except turning on/off the POWER switch are ineffectual.

**Example (in case of the error number E01):**




| LCD display | Emergency mode | Details | Possible cause |
|---|---|---|---|
| E01 | LOADING | In the case the encoder position is not shifted to the next point though the loading motor has rotated in the loading direction for 4 seconds or more. This error is defined as [E01]. | 1. The mechanism is locked during mode shift.<br>2. The mechanism is locked at the mechanism loading end, because the encoder position is skipped during mechanism mode shift.<br>3. No power is supplied to the loading MDA. |
| E02 | UNLOADING | In the case the encoder position is not shifted to the next point though the loading motor has rotated in the unloading direction for 4 seconds or more. This error is defined as [E02]. | 1. The mechanism is locked during mode shift.<br>2. The mechanism is locked at the mechanism loading end, because the encoder position is skipped during mechanism mode shift. |
| E03 | TU & SUP REEL FG | In the case no REEL FG is produced for 4 seconds or more in the capstan rotation mode after loading was complete, the mechanism mode is shifted to STOP with the pinch roller set off. This error is defined as [E03].<br>However, no REEL EMG is detected in the SLOW/STILL mode. | 1. The idler gear does not engage with the reel disk well.<br>2. Though the idler gear and reel disk are engaged with each other, the tape is not wound because of overload to the mechanism.<br>3. No FG pulse is output from the reel sensor.<br>4. No power is supplied to the reel sensor.<br>5. Tape transport operation takes place with a cassette having no tape inside.<br>6. The tape slackens and no pulse is produced until the slack is taken up and the tape comes into the normal status. |
| E04 | DRUM FG | In the case there is no DRUM FG input in the drum rotation mode for 4 seconds or more. This error is defined as [E04], and the mechanism mode is shifted to STOP with the pinch roller set off. | 1. The drum cannot be started or drum rotation is stopped because tape transport load is too high.<br>1) Tape tension is extremely high.<br>2) The tape is damaged or soiled with grease, etc.<br>2. The DRUM FG signal is not received by the syscon CPU.<br>1) Disconnection in the middle of the signal line.<br>2) Failure of the DRUM FG pulse generator (hall element).<br>3. No drum control voltage is supplied to the MDA.<br>4. No power is supplied to the DRUM MDA. |
| E05 | – | – | – |
| E06 | CAPSTAN FG | In the case no CAPSTAN FG is produced in the capstan rotation mode for 2 seconds or more. This error is defined as [E06], and the mechanism mode is shifted to STOP with the pinch roller set off.<br>However, no CAPSTAN EMG is detected in the STILL/FF/REW mode. | 1. The CAPSTAN FG signal is not received by the syscon CPU.<br>1) Disconnection in the middle of the signal line.<br>2) Failure of the CAPSTAN FG pulse generator (MR element).<br>2. No capstan control voltage is supplied to the MDA.<br>3. No power is supplied to the CAPSTAN MDA.<br>4. The capstan cannot be started or capstan rotation is stopped because tape transport load is too high.<br>1) Tape tension is extremely high. (Mechanical locking)<br>2) The tape is damaged or soiled with grease, etc. (Tape tangling occurs, etc.) |

(DVC_03)

Table 1-7-1

| Symbol No. → | ① | | | | | | ② / ③ / ④ | | | | | | | ⑤ | | ⑥ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Removing order of screw → | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 |
| Place to stick screw → | ✻ | | | | ✻ | | | | | | | | ✻ | ✻ | ✻ | ✻ | |
| Reference drawing → | Fig. 1-3-1, 1-3-2 | | | | | | Fig. 1-3-1, 1-3-2 | | | | | | | Fig. 1-3-2 | | Fig. 1-3-1 | |
| Screw tightening torque → | I | | | | | | | | | | | | | II | | I | |

| Symbol No. → | ⑦ | | | | | ⑧ | | ⑨ | ⑩ | ⑪ | | | ⑫ | | ⑬ | ⑭ | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Removing order of screw → | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 |
| Place to stick screw → | ✻ | ✻ | ✻ | ✻ | ✻ | ✻ | ✻ | | | | | | | ✻ | | | | |
| Reference drawing → | Fig. 1-3-1 | | | | | Fig. 1-3-1 | | Fig. 1-3-1 | Fig. 1-3-1 | Fig. 1-3-1 | | | Fig. 1-3-1 | | Fig. 1-3-1 | Fig. 1-3-1 | | |
| Screw tightening torque → | I | | | | | I | | III | I | | | | | | | | | |

| ⑤ MONITOR ASSY | | | | | |
|---|---|---|---|---|---|
| Removing order of screw → | 1 | 2 | 3 | 4 | 5 | 6 |
| Place to stick screw → | ✻ | ✻ | | | | |
| Reference drawing → | Fig. 1-4-1 | | | | | |
| Screw tightening torque → | IV | | V | | | |

| ⑧ OP BLOCK ASSY | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Removing order of screw → | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| Place to stick screw → | | | | | | | | | |
| Reference drawing → | Fig. 1-5-1 | | | | | | | | |
| Screw tightening torque → | VI | | | | | | | | |

| ⑩ E. VF ASSY | | | | | | |
|---|---|---|---|---|---|---|
| Removing order of screw → | 1 | 2 | 3 | 4 | 5 | 6 |
| Place to stick screw → | | | | | | |
| Reference drawing → | Fig. 1-6-1 | | | | | |
| Screw tightening torque → | IV | | I | | IV | |

< NOTE >

1) ✻ : Don't reuse the screw, because screw lock bond was applied to them.

2) Pay careful attention to tightening torque for each screw.

I : 0.078N·m (0.8kgf·cm) II : 0.198N·m (2.0kgf·cm) III : 0.127N·m (1.3kgf·cm)

IV : 0.098N·m (1.0kgf·cm) V : 0.069N·m (0.7kgf·cm) VI : 0.118N·m (1.2kgf·cm)

Table 1-8-1

## 1.9 HOW TO TAKE OUT CASSETTE TAPE MANUALLY

### 1.9.1 How to remove cassette tape manually from the set

If the cassette tape is not ejected from the cassette housing because of some electric trouble, it can be removed from the set by the temporary measure that is to turn the loading motor forcibly as mentioned below.
Through the removing work, pay heed to the exterior parts such as the covers, etc. as well as to the cassette tape to get nothing damaged.

**<Procedure>**

1. Disconnect the power supply (battery or DC cord) from the set.
2. Disconnect the cover (ADJ) from the lower case.
3. Open the front cover.
4. Supply 3 V DC to the terminals (electrodes) on the top of the loading motor to slide the slide deck assembly to the front side, and stop the power supply when both the pole bases are positioned in the unloading status inside the tape. Since the tape remains as it is not wound up at that time, pay careful attention to the tape not to damage it and not to soil it with grease, etc.
   If unloading operation is continued after both the pole bases return to their respective positions inside the tape, the mechanism enters the eject mode and the cassette housing assembly is lifted up. If it occures, the pulled out tape may be caught in the cassette lid and the tape may be resultingly damaged.
5. Turn the center gear assembly with a sharp-pointed thing (chip IC replacing jig, etc.) in the direction of the arrow to wind up the tape. Carefully turn the center gear assembly not to damage the tape.
   If the tape cannot be wound up by turning the center gear assembly, it is thinkable that the idler arm assembly is positioned not to engage with the reel disk assembly. If so, shift the mechanism mode so that the idler arm assembly is correctly engaged with the reel disk assembly. After fine adjusting the engagement, try to wond up the tape is the same manner once more.
   In such the event, it is recommended to shift the idler arm assembly slightly in the loading direction.
6. After confirming that the tape is completely wound up, proceed with unloading operation until the mechanism enters the eject mode. Then, take the cassette tape out of the cassette housing.
7. After removing the cassette tape, check to see if the manually wound part of the tape is not soiled with grease, etc. At the same time, check the mechanism assembly, particularly the tape transport system, whether there is something abnormal or not.

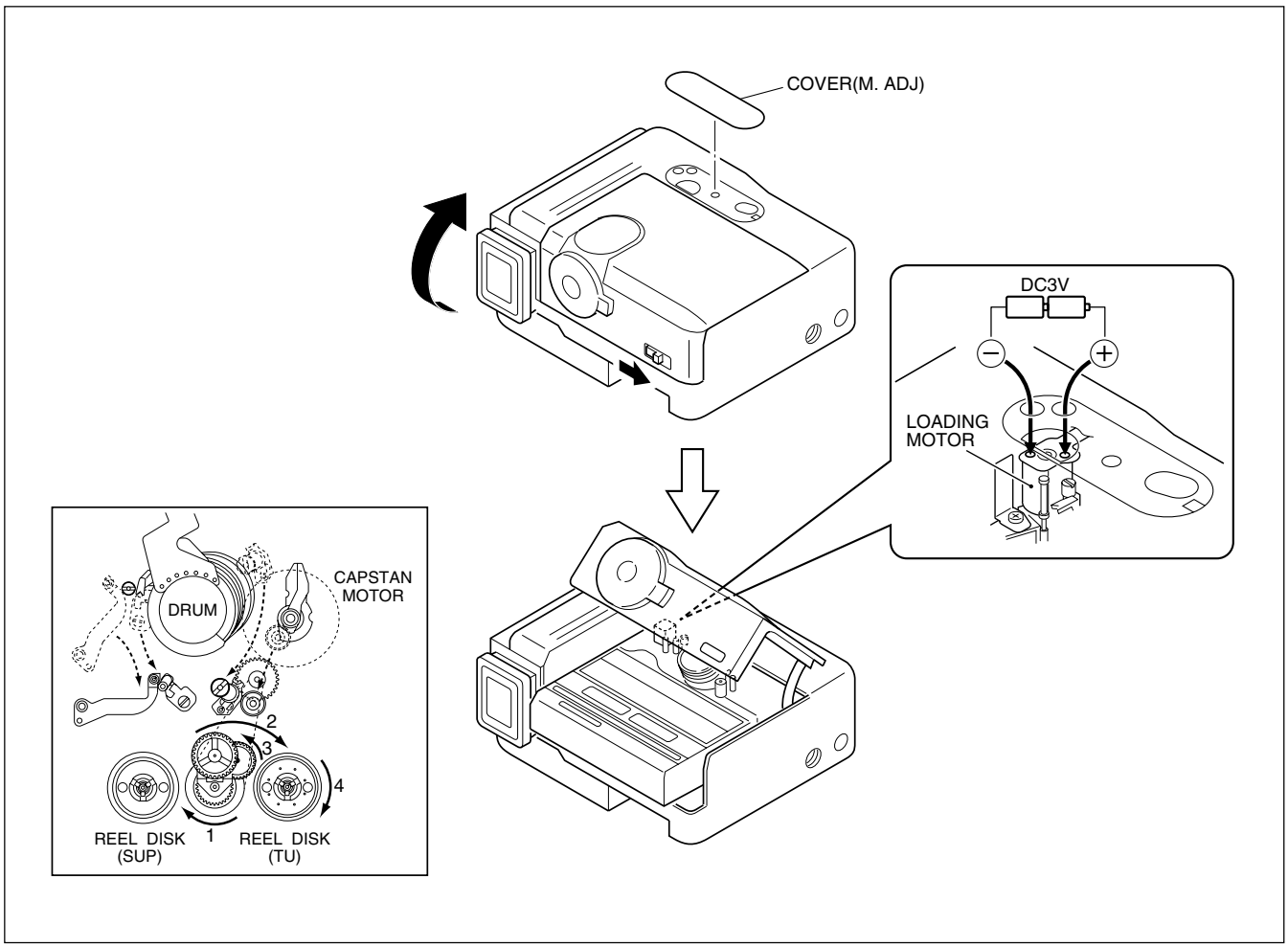



Fig. 1-9-1

# SECTION 2
# MECHANISM ADJUSTMENT

## 2.1 PRELIMINARY REMARKS ON ADJUSTMENT AND REPAIR

### 2.1.1 Precautions

1. When fastening parts, pay careful attention to the tightening torque of each screw. Unless otherwise specified, tighten a screw with the torque of 0.039 N•m (0.4 kgf•cm).
2. Be sure to disconnect the set from the power supply before fastening and soldering parts.
3. When disconnecting/connecting wires, be careful not to get them and their connectors damaged. (Refer to the Section 1.)
4. When replacing parts, be very careful neither to damage other parts nor to fit wrong parts by mistake.

### 2.1.2 Notes on procedure for disassemby/assembly

The disassembling procedure table (Table 2-4-1 on page 2-6,a part of the table is shown below for reference)shows the procedure to disassemble/reassemble mechanism parts.
Carefully read the following explanation before starting actual disassembling/reassembling work. The item numbers (circled numbers)in the following explanation correspond to those appearing under respective columns of the table.

(1) Circled numbers appearing in this column indicate the order to remove parts. When reassembling, follow these numbers in the reverse order. Circled numbers in this column correspond to those appearing in drawings of this section.

(2) This column shows part names corresponding to circled numbers in the left column.

(3) The symbol (T or B)appearing in this column shows the side which the objective part is mounted on.
T =the upper side, B =the lower side

(4) Symbols appearing in this column indicate drawing numbers.
Step Part Name Fig. Point Note Remarks

(5) This column indicates parts and points such as screws, washers,springs,and others to be removed/fitted for disassembling/reassembling the mechanism. Besides such the parts, this column occasionally indicates working points.

P = Spring
W = Washer
S = Screw
* = Lock (L),soldering (SD),shield,connector (CN), etc.

Example
- Remove ((W1)=Washer W1.
- **Remove the solder at (SD1)=Point SD1.
- **Disconnect Ⓐ =Connector Ⓐ .

(6) Numbers in this column represent the numbers of notes in the text.For example, “1” means “Note 1”.
(For parts that need phase adjustment after reassembling, refer to “2.6 MECHANISM ADJUSTMENTS”.)

(7) This column indicates required after-disassembling/-reassembling work such as phase adjustment or mechanism adjustment.

| NO. | PART NAME | | FIG. | POINT | NOTE | REMARKS |
|---|---|---|---|---|---|---|
| Ⓐ | Cassette housing assembly | T | Fig. 2-4-5 | 3(S1),(L1a)-(L1d) | 1a, 1b, 1c, 1d | Adjustment |
| 2a | Reel disk (SUP) assembly | T | Fig. 2-4-6 | (W2) | 2a, 2b | |
| 2b | Reel disk (TU) assembly | T | | (W2) | 2a, 2b | |
| 2c | Reel cover assembly | T | | 2(S2a),(S2b),(W2) | 2C, 2d | |
| 3a | Tension arm assembly | T | Fig. 2-4-7 | (W3a) | 3b | |
| 3b | Release guide assembly | T | | - | 3a | |
| 3c | Idler arm assembly | T | | (W3b) | - | |
| 3d | Guide arm assembly | T | | - | 3a | |
| 3e | Pinch roller arm assembly | T | | (W3a) | - | |
| 4a | Cleaner arm assembly | T | Fig. 2-4-8 | (L4a) | 4a | |
| 4b | Slant pole arm assembly | T | | (W4),(L4b),(P4a),(P4b) | 4b | |
| 4c | Drum assembly | T | | 3(S4) | - | |
| 5a | Guide roller (S) assembly | T | Fig. 2-4-9 | (P5) | 5a, 5b | |
| 5b | Rail assembly | T | | 3(W5a), (W5b) | 5c, 5d | |

(1) (2) (3) (4) (5) (6) (7)

## 2.2 JIGS AND TOOLS REQUIRED FOR DISASSEMBLY, ASSEMBLY AND ADJUSTMENT

### 2.2.1 Tools required for adjustments

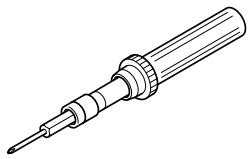
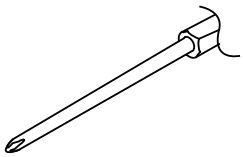
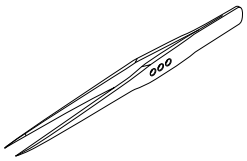
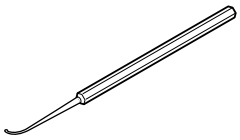
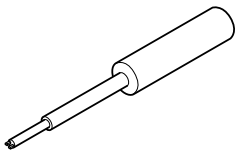
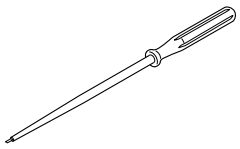
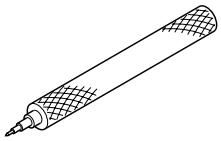
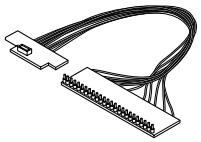
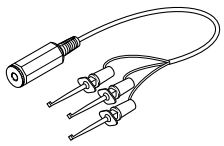
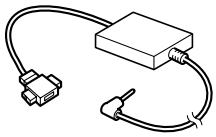
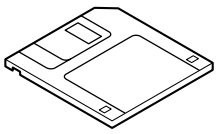
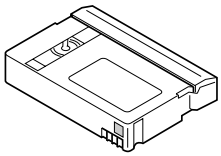
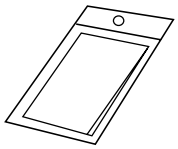
| | |
|---|---|
| 1 Torque driver YTU94088 | 2 Bit YTU94088-003 |
|  |  |
| 3 Tweezers P-895 | 4 Chip IC Replacement Jig PTS40844-2 |
|  |  |
| 5 Guide driver YTU94148A | 6 Adjustment driver YTU94028 |
|  |  |
| 7 Slit washer installation jig YTU94121A | 8 Jig connector cable YTU93106C |
|  |  |
| 9 Extension connector YTU94145D-40 | 10 Communication cable YTU93107A |
| |  |
| 11 PC cable QAM0099-002 | 12 Service support system YTU94057-63 |
|  |  |
| 13 Alignment tape MC-1 | 14 Cleaning cloth KSMM-01 |
|  |  |

Table 2-2-1

**1. Torque driver**
Be sure to use to fastening the mechanism and exterior parts because those parts must strictly be controlled for tightening torque.

**2. Bit**
This bit is slightly longer than those set in conventional torque drivers.

**3. Tweezers**
To be used for removing and installing parts and wires.

**4. Chip IC replacement jig**
To be used for adjustment of the camera system.

**5. Guide driver**
To be used to turn the guide roller to adjustment of the linarity of playback envelope.

**6. Adjustment driver**
To be used for adjustment.

**7. Slit washer installation jig**
To be used to install slit washers.

**8. Jig connector cable**
Connected to CN105 of the main board and used for electrical adjustment, etc.

**9. Extension connector**
Connect this extension connector to the connector of the Jig connector cable for extending the cable connector.

**Note:** *For supplying the power through the coupler by removing the cover (for Jig), use this extension connector double for connecting the Jig connector cable.*

**10. Communication cable**
Connect the Communication cable between the PC cable and Jig connector cable when performing a PC adjustment.

**11. PC cable**
To be used to connect the VideoMovie and a personal computer with each other when a personal computer is used for adjustment.

**12. Service support system**
To be used for adjustment with a personal computer.

**13. Alignment tape**
To be used for check and adjustment of interchangeability of the mechanism.

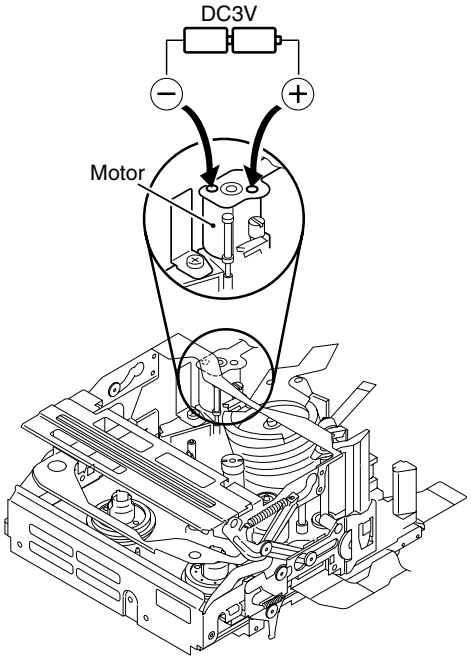
**14. Cleaning cloth**
Recommended cleaning cloth to wipe down the video heads, mechanism (tape transport system), optical lens surface.

## 2.3 DISASSEMBLY/ASSEMBLY OF MECHANISM ASSEMBLY

### 2.3.1 General statement

The mechanism should generally be disassembled/assembled in the EJECT mode (ASSEMBLY mode). (Refer to Fig. 2-3-1.)
However, when the mechanism is removed from the main body, it is set in the STOP mode. Therefore, after the mechanism is removed from the main body, supply 3 V DC to the electrode on the top of the loading motor to enter the mechanism mode into the EJECT mode compulsory.

**<Mechanism assembly/Cassette housing assembly>**




**<Back side of the mechanism assembly>**

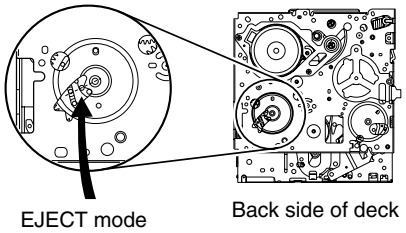



Fig. 2-3-1

### 2.3.2 Explanation of mechanism mode

The mechanism mode of this model is classified into six modes as shown in Table 2-3-1. Each mechanism mode can be distinguished from others by the relative position of "○" mark on the sub cam gear to the inner or outer protrusion on the main deck.
Refer to Fig. 2-3-2 to 2-3-8 below.
The EJECT mode, C IN mode and SHORT FF mode should be recognized by the relative position of the "○" mark to the inner protrusion, while the STOP mode, REV mode and PLAY mode should be recognized by that to the outer protrusion.

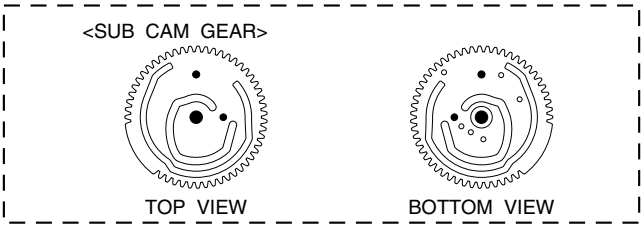



Fig. 2-3-2

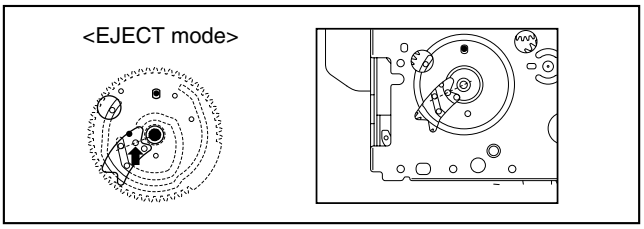



Fig. 2-3-3

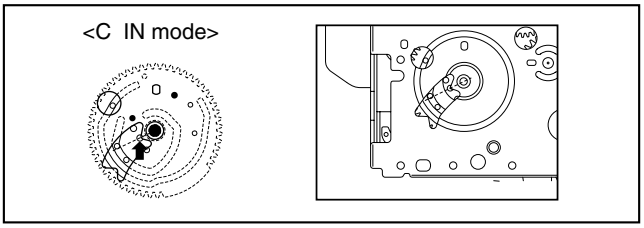



Fig. 2-3-4

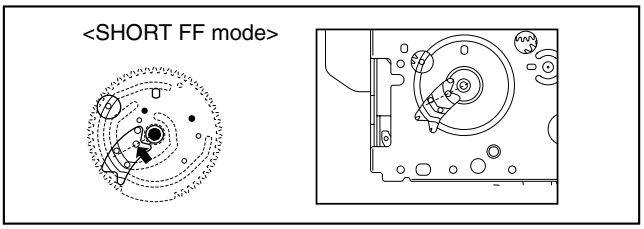



Fig. 2-3-5

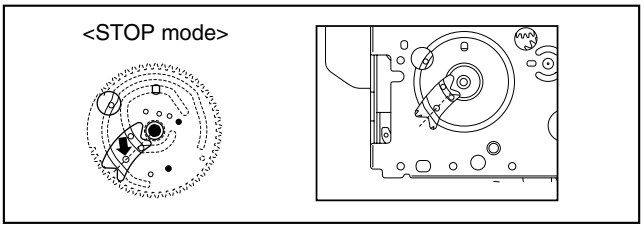



Fig. 2-3-6

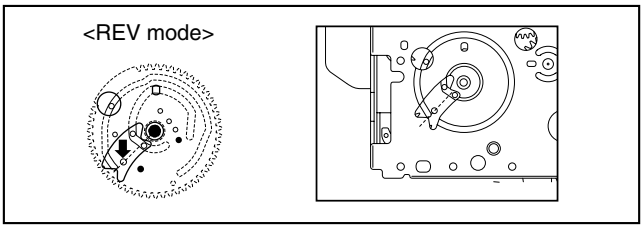



Fig. 2-3-7

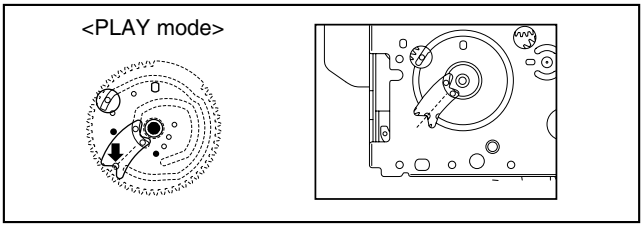



Fig. 2-3-8

### 2.3.3 Mechanism timing chart

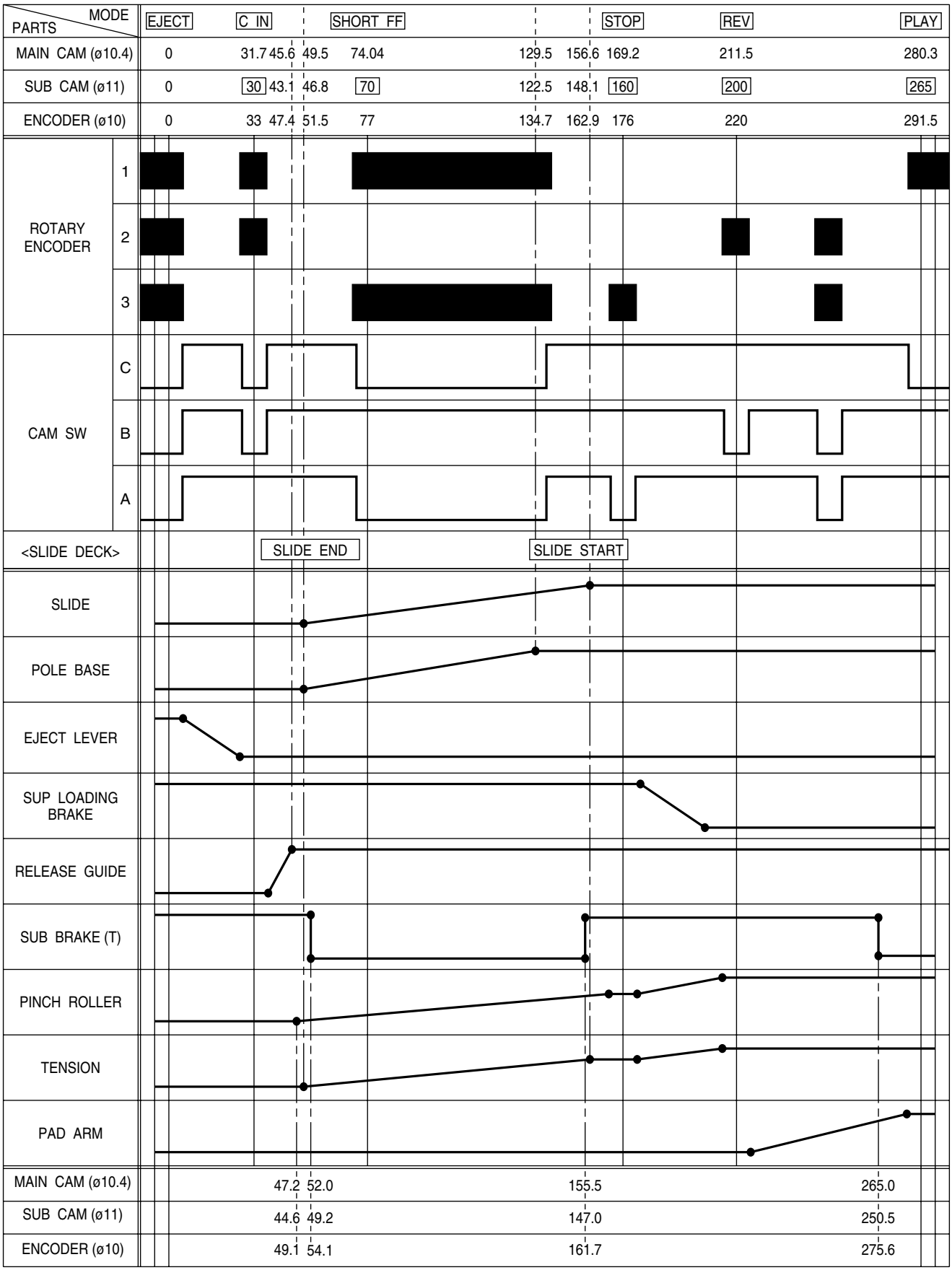



Table 2-3-1

## 2.4 DISASSEMBLY/ASSEMBLY OF MECHANISM ASSEMBLY

### 2.4.1 Follow chart

**1. Configuration**

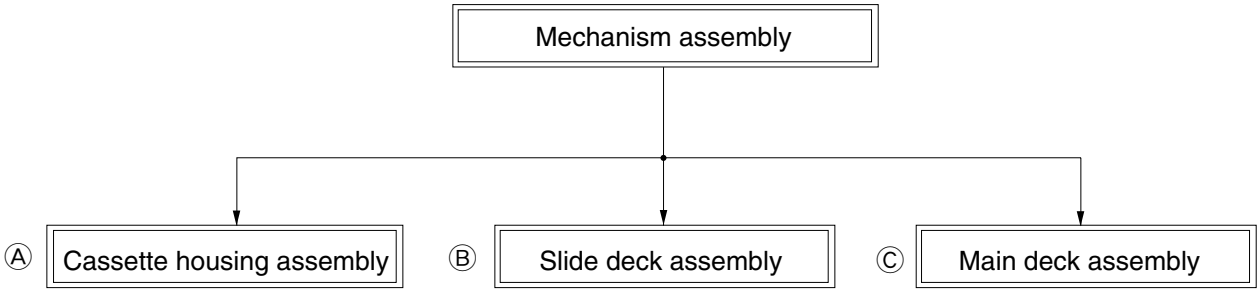



Fig. 2-4-1

**2. Procedures for disassembly**

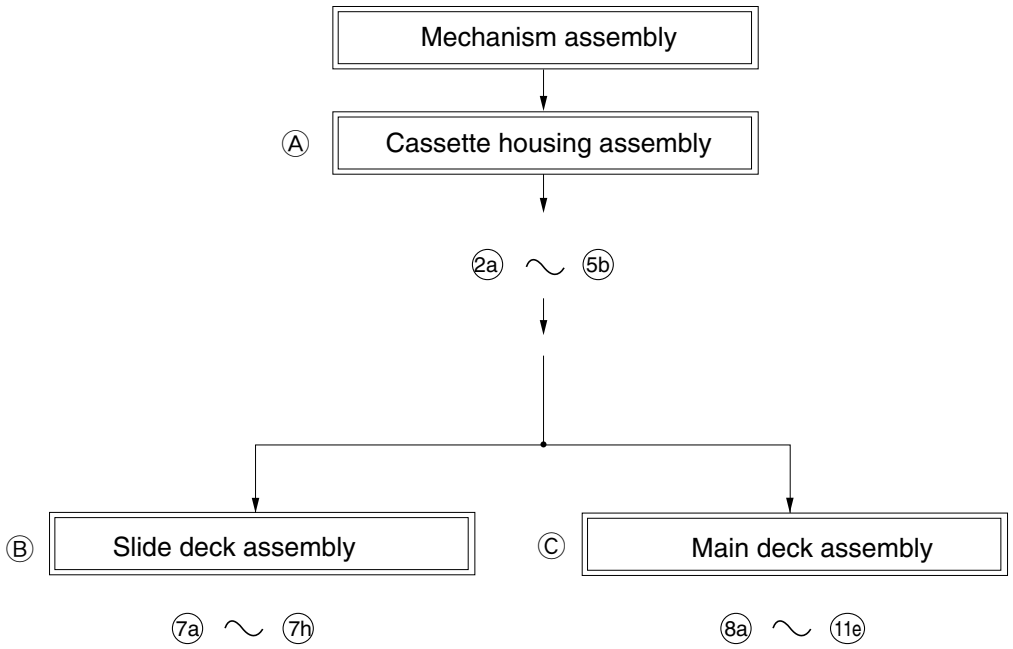



Fig. 2-4-2

**3. Disassembling procedure table**

| NO. | PART NAME | | FIG. | POINT | NOTE | REMARKS |
|---|---|---|---|---|---|---|
| Ⓐ | Cassette housing assembly | T | Fig. 2-4-5 | 3(S1),(L1a)-(L1d) | 1a, 1b, 1c, 1d | Adjustment |
| 2a | Reel disk (SUP) assembly | T | Fig. 2-4-6 | (W2) | 2a, 2b | |
| 2b | Reel disk (TU) assembly | T | | (W2) | 2a, 2b | |
| 2c | Reel cover assembly | T | | 2(S2a),(S2b),(W2) | 2c, 2d | |
| 3a | Tension arm assembly | T | Fig. 2-4-7 | (W3a) | 3b | |
| 3b | Release guide assembly | T | | - | 3a | |
| 3c | Idler arm assembly | T | | (W3b) | - | |
| 3d | Guide arm assembly | T | | - | 3a | |
| 3e | Pinch roller arm assembly | T | | (W3a) | - | |
| 4a | Cleaner arm assembly | T | Fig. 2-4-8 | (L4a) | 4a | |
| 4b | Slant pole arm assembly | T | | (W4),(L4b),(P4a),(P4b) | 4b | |
| 4c | Drum assembly | T | | 3(S4) | - | |
| 5a | Guide roller (S) assembly | T | Fig. 2-4-9 | (P5) | 5a, 5b | |
| 5b | Rail assembly | T | | 3(W5a), (W5b) | 5c, 5d | |
| Ⓑ | Slide deck assembly / Ⓒ Main deck assembly | T | Fig. 2-4-10 | (W6),(L6a)-(L6d) | 6a, 6b | (Adjustment) |
| Ⓑ | Slide deck assembly | | | | | |
| 7a | Loading brake assembly | T | Fig. 2-4-11 | (W7),(L7a),(P7a) | 7e | |
| 7b | Guide pin (S) | T | | (S7a) | - | |
| 7c | Pad arm assembly | T | | (W7),(L7b),(P7b) | 7d | Adjustment |
| 7d | Slide guide plate assembly | T | | (S7b) | 7c | Adjustment |
| 7e | Collar | T | | - | 7a | |
| 7f | Collar | T | | - | 7a | |
| 7g | Sub brake assembly | T | | (W7),(L7c),(P7c) | 7b | |
| 7h | Control plate assembly | T | | 2(W7),(L7d),(P7d) | 7b | |
| Ⓒ | Main deck assembly | | | | | |
| 8a | Tension lever assembly | T | Fig. 2-4-12 | - | 8c | |
| 8b | Slide lever assembly | T | | - | 8b | |
| 8c | Brake control lever assembly | T | | - | 8a | |
| 9a | Loading guide | T | Fig. 2-4-13 | (S9) | - | |
| 9b | Timing belt | T | | - | 9b | |
| 9c | Center gear assembly | T | | - | - | |
| 9d | Motor bracket assembly | T | | 2(S9) | 9a | |
| 9e | Worm wheel | T | | (W9) | - | (Phase adjustment) |
| 9f | Gear holder | T | | (S9) | - | |
| 10a | Main cam gear | T | Fig. 2-4-14 | (S10) | 10b | Phase adjustment |
| 10b | Brake control plate | T | | (L10) | 10b | Phase adjustment |
| 10c | Rotary encoder | T | | (S10),(W10a) | 10a | Phase adjustment |
| 10d | Connect gear | T | | (W10a) | - | (Phase adjustment) |
| 10e | Reel drive pulley assembly | T | | (W10b) | - | |
| 11a | Catcher (T) assembly | T | Fig. 2-4-15 | 2(S11) | - | |
| 11b | Capstan motor | T | | 2(S11) | - | |
| 11c | Charge arm assembly | T | | (W11) | 11 | |
| 11d | Sub cam gear | T | | (S11) | - | Phase adjustment |
| 11e | PWB holder | B | | 2(S11) | - | |

Table 2-4-1

**< TOP VIEW >**

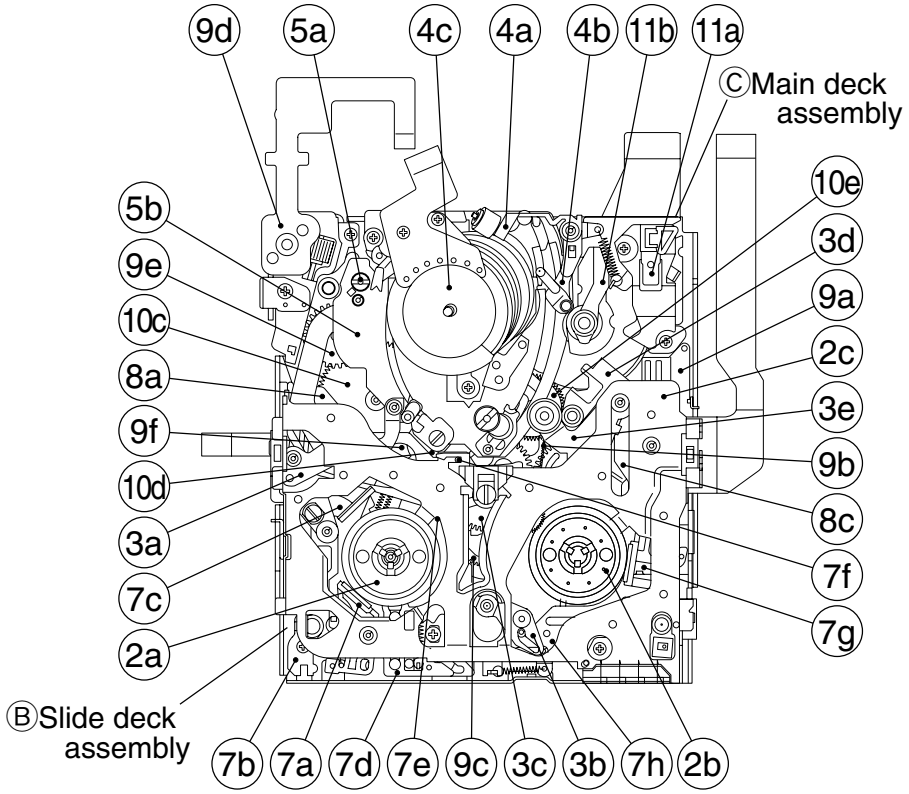



Fig. 2-4-3

**< BOTTOM VIEW >**

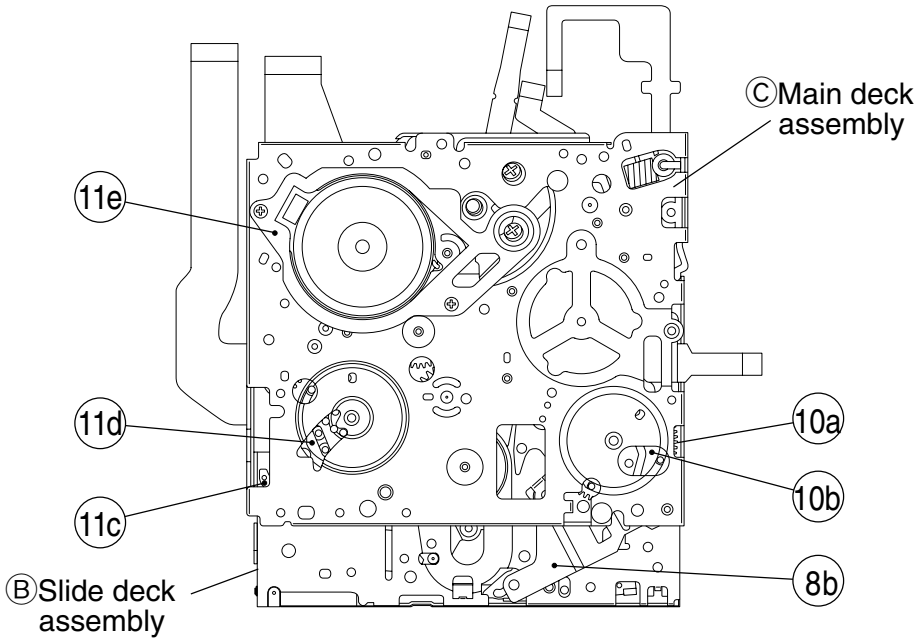



Fig. 2-4-4

### 2.4.2 Disassembly/assembly

**1. Ⓐ Cassette housing assembly**

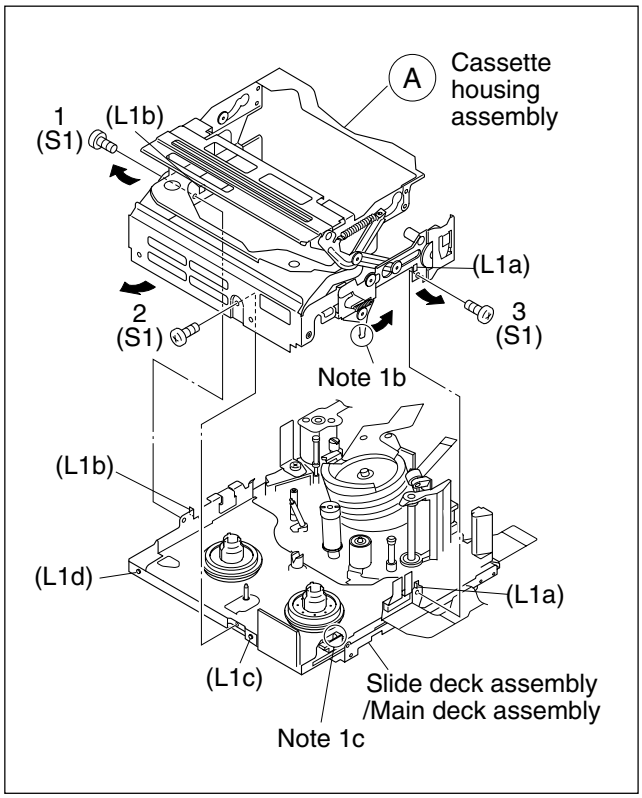
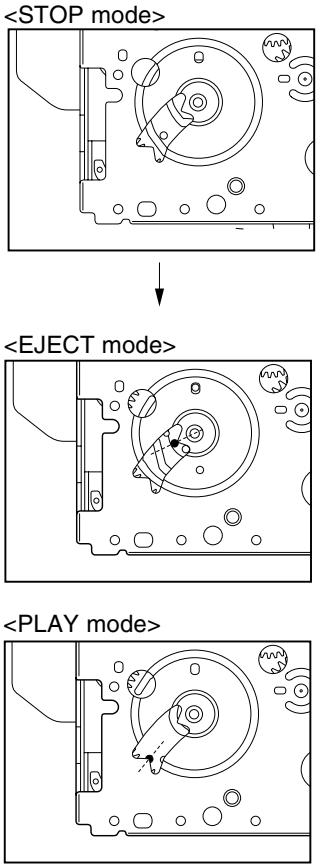



Fig. 2-4-5




**Note 1a:**
*Shift the mechanism mode from the STOP mode to the EJECT mode.*

**Note 1b:**
*Reassemble the cassette housing assembly to the mechanism as the cancel lever is moved in the direction of the arrow.*

**Note 1c:**
*When reassembling the cassette housing to the mechanism, make sure that there is no deformation in the frame or no damage to the switches, etc.*

**Note 1d:**
*After reassembling the component parts, check the mechanism operation in the PLAY mode.*
*For details of checking method, refer to "2.6.1 assembling slide deck assembly and main deck assembly".*

**2. (2a) Reel disk (SUP) assembly**
**(2b) Reel disk (TU) assembly**
**(2c) Reel cover assembly**

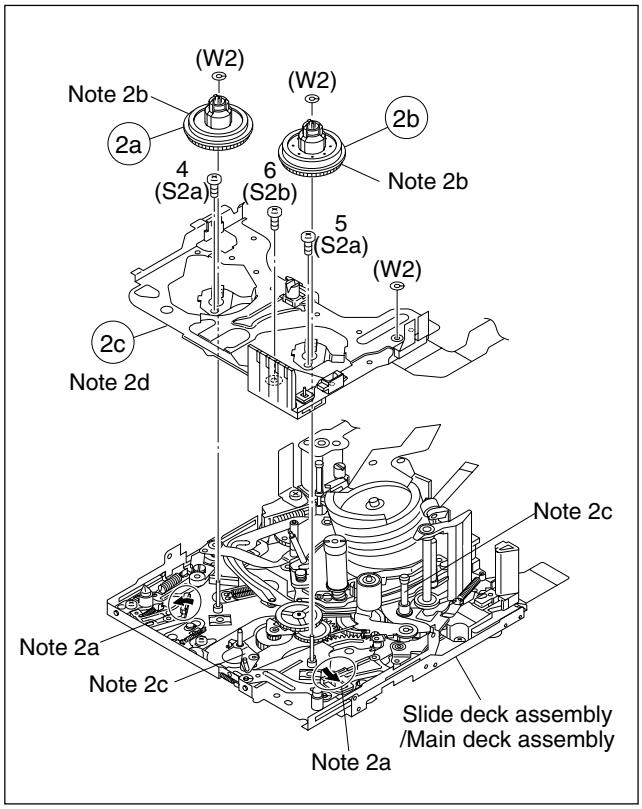
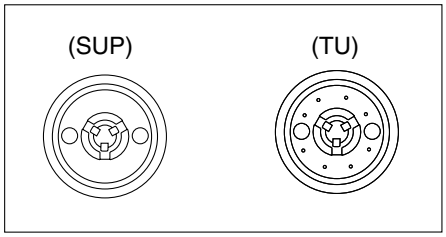



Fig. 2-4-6

**Note 2a:**
*When removing the reel disk assembly, be careful not to break the brake pad which applies lateral pressure to the reel disk.*

**Note 2b:**
*Be careful not to make a mistake in installing the reel disk. The SUP reel disk and TU reel disk can be distinguished from each other by the appearance as shown below.*




**Note 2c:**
*When reassembling the cassette housing to the mechanism, make sure that there is no deformation in the frame or no damage to the switches, etc.*

**Note 2d:**
*When fitting the reel cover assembly to the set, carefully tighten the screw with the specified tightening torque of 0.069N•m (0.7kgf•cm).*

**3. (3a) Tension arm assembly/ (3b) Release guide assembly (3c) Idler arm assembly/ (3d) Guide arm assembly (3e) Pinch roller arm assembly**

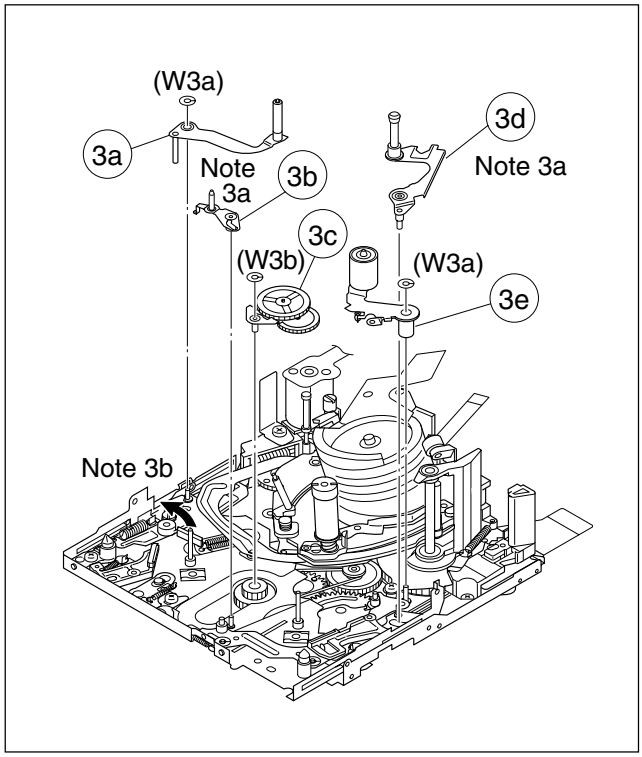
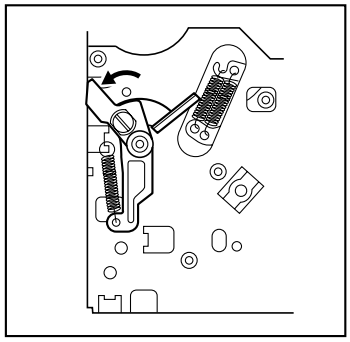



Fig. 2-4-7

**Note 3a:**
*When removing the reel cover assembly, pay heed to release guide assembly and guide arm assembly. For, the guide arm assembly is just inserted into the slide deck assembly from the upside and it is apt to come off after the reel cover assembly is removed.*

**Note 3b:**
*Reassemble the tension arm assembly to the mechanism as the pad arm assembly is moved to the extent in the direction of the arrow.*



**4. (4a) Cleaner arm assembly/ (4b) Slant pole arm assembly (4c) Drum assembly**

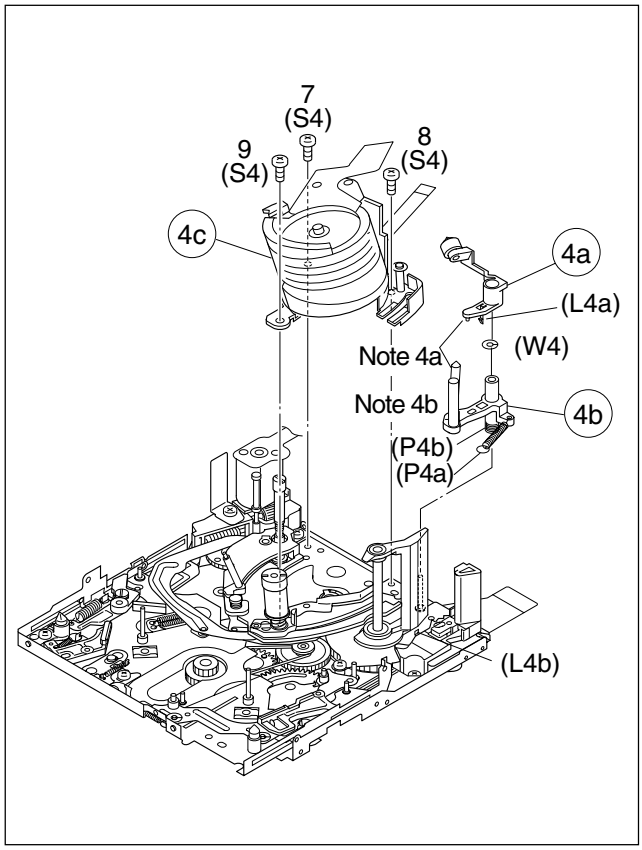
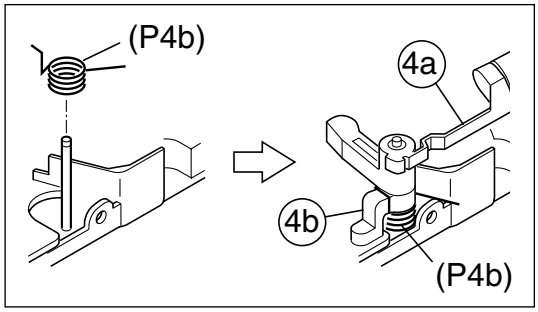



Fig. 2-4-8

**Note 4a:**
*When removing the cleaner arm assembly, it is recommended to remove the slant pole arm assembly together with it except the case of a single unit replacement, because the hook (L4a) is hard to disengage.*

**Note 4b:**
*How to set the coil spring (P4b).*



**5. (5a) Guide roller (S) assembly/ (5b) Rail assembly**

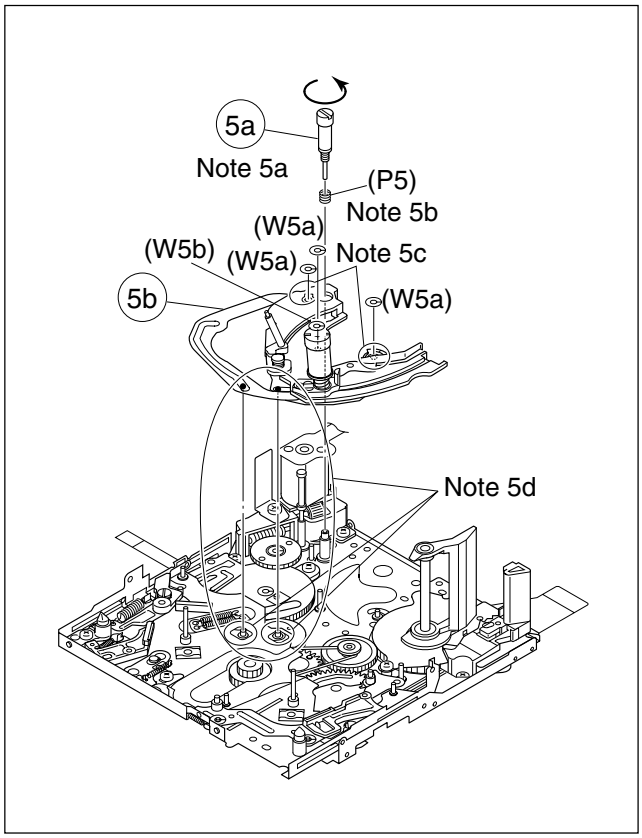
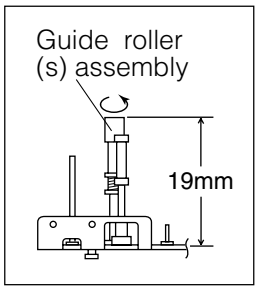



Fig. 2-4-9

**Note 5a:**
*When reassembling, insert the tip of the guide roller with the coil spring put on it into the hole on the main deck. Tighten the guide roller by about 6 turns so that the height of the guide roller assembly is 19 mm or so as shown in the figure.*




**Note 5b:**
*Pay careful attention to the spring not to lose it.*

**Note 5c:**
*Pay careful attention to the engagement of the rail assembly's arm ends because they easily come off the engagement. Moreover, make sure that there is neither deformation nor damage observed in them.*

**Note 5d:**
*When removing the rail assembly, check to see if the collar is securely set in the arm groove.*

**6. (B) Slide deck assembly/ (C) Main deck assembly**

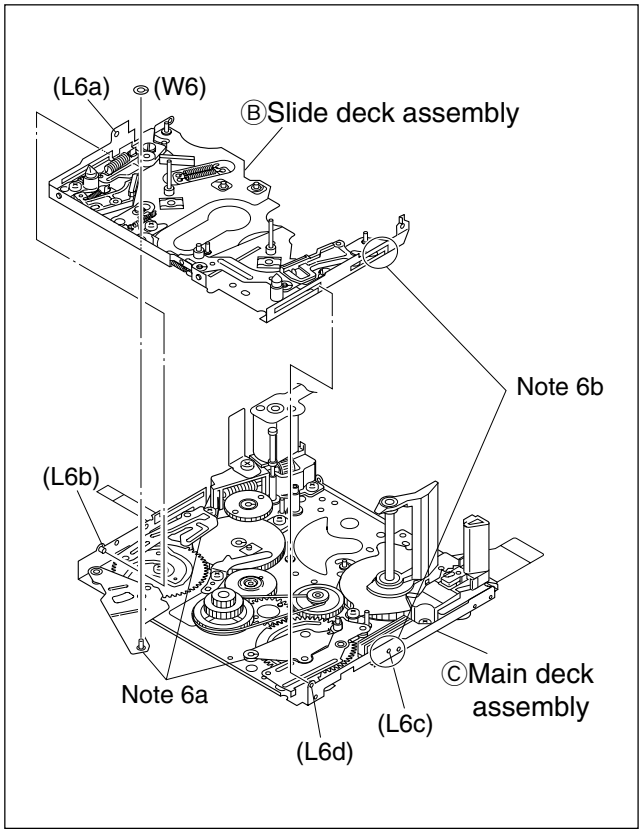
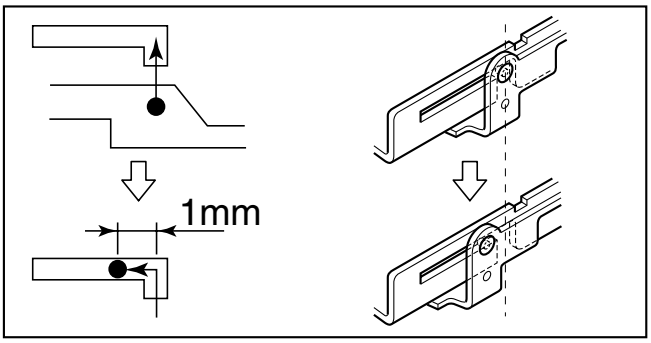



Fig. 2-4-10

**Note 6a:**
*When removing the slide deck assembly, pay heed to the three components of the following because they are apt to come off after the slide deck assembly is removed.*

*(8a) Tension lever assembly/ (8b) Slide lever assembly*
*(8c) Brake control lever assembly*
*For reassembling those components, refer to Fig. 2-4-12.*

**Note 6b:**
*When reassembling the slide deck assembly to the main deck assembly, combine them with each other by the side grooves and then slide the slide deck assembly by 1 mm or so.*



**7. (7a) Loading brake assembly/ (7b) Guide pin (S)**
**(7c) Pad arm assembly/ (7d) Slide guide plate assembly**
**(7e) Collar/ (7f) Collar/ (7g) Sub brake assembly**
**(7h) Control plate assembly**

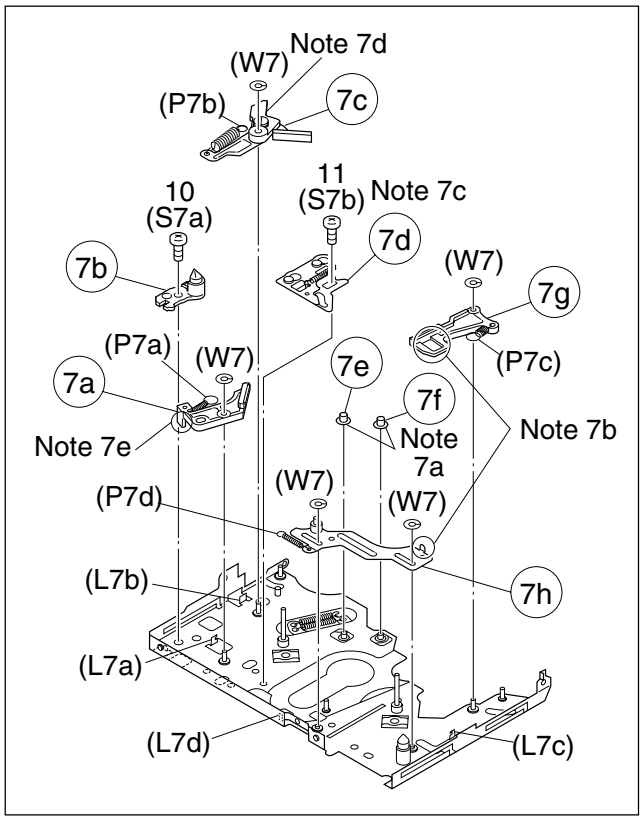



Fig. 2-4-11

**8. (8a) Tension lever assembly/ (8b) Slide lever assembly**
**(8c) Brake control lever assembly**

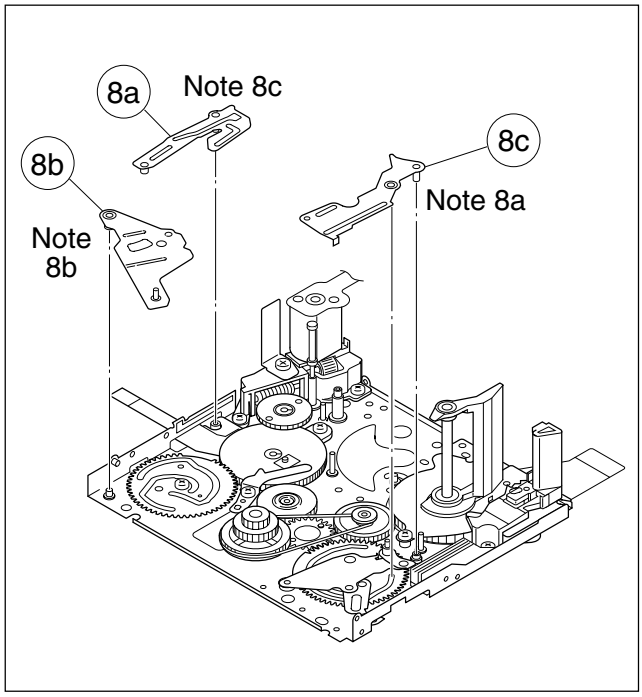
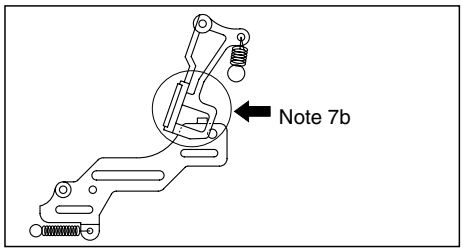



Fig. 2-4-12

**Note 7a:**
*Don't remove these parts unreasonably. If they are removed for some reason, be very careful not to lose them.*

**Note 7b:**
*When reinstalling the sub brake assembly, set the control plate assembly so that its hook is set in the □ part of the sub brake assembly.*



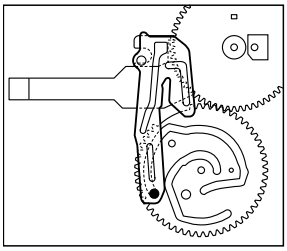

**Note 7c:**
*Since the slide guide plate assembly controls the slide deck assembly so that it exactly slides the main deck assembly, it must exactly be assembled in the PLAY mode. Therefore, temporarily fix the slide guide plate assembly in this stage. For details of reassembling procedure, refer to "2.6.1 Assembling slide deck assembly and main deck assembly" .*

**Note 7d:**
*The pad arm assembly controls the tension level of the tension arm assembly. For adjustment of the tension arm assembly, refer to "2.6.2 Locating tension pole".*

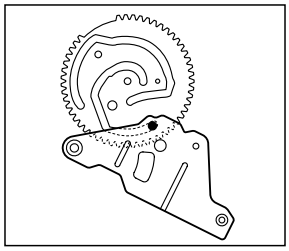
**Note 7e:**
*When reinstalling the loading brake assembly, slightly lift the slide deck assembly upwards because the lower part of the loading brake assembly sticks out of the slide deck assembly.*

**Note 8a, 8b, 8c:**
*For refitting the respective parts, refer to the following figures*

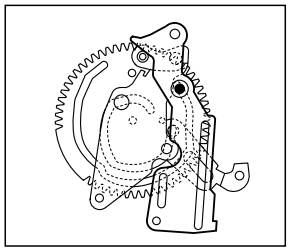
**(8a) Tension lever assembly**



**(8b) Slide lever assembly**



**(8c) Brake control lever assembly**



**9.** (9a) **Loading guide/** (9b) **Timing belt**
(9c) **Center gear assembly/** (9d) **Motor bracket assembly**
(9e) **Worm wheel/** (9f) **Gear holder**

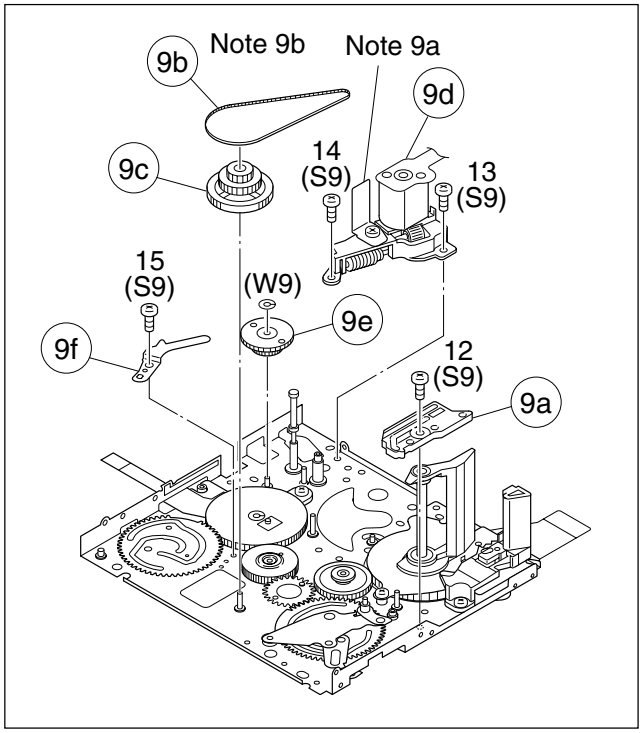



Fig. 2-4-13

**Note 9a:**
*Carefully handle the DEW sensor. (Don't touch the sensor surface in particular.)*

**Note 9b:**
*When engaging the timing belt, make sure that it securely engages with the gears of both the center gear assembly and reel drive pulley assembly.*

**10.** (10a) **Main cam gear/** (10b) **Brake control plate**
(10c) **Rotary encoder/** (10d) **Connect gear**
(10e) **Reel drive pulley assembly**

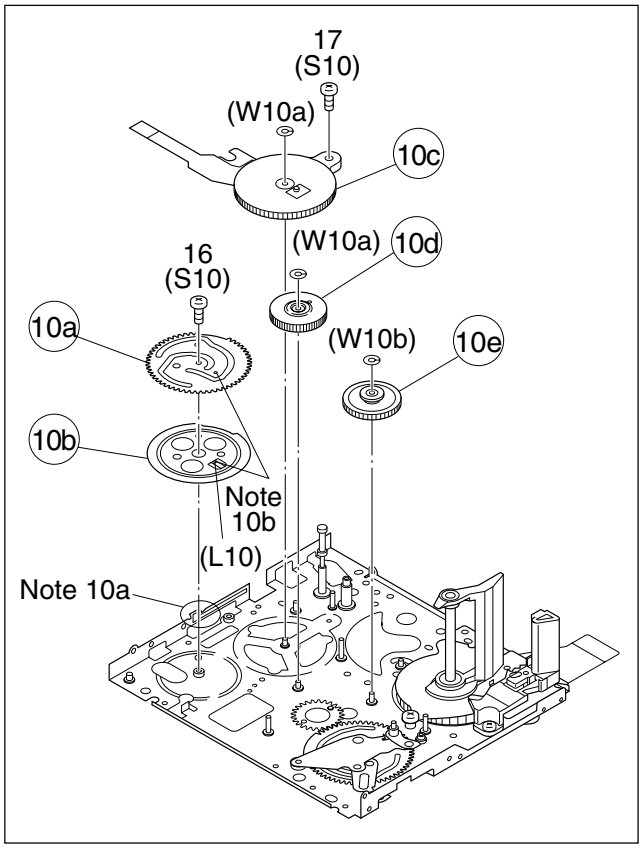
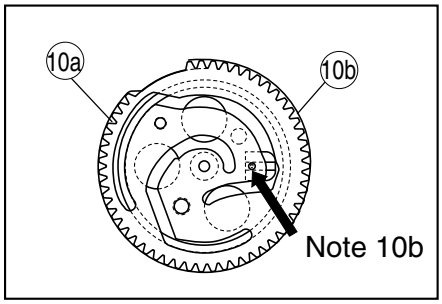



Fig. 2-4-14

**Note 10a:**
*When removing/refitting parts, pay careful attention to the flexible board and so on not to damage them.*

**Note 10b:**
*When reinstalling the main cam gear and the brake control plate, first fit them together so that the protrusion on the brake control plate is set in the slot on the main cam gear as shown below, next install the two together to the main deck assembly.*



**11. (11a) Catcher (T) assembly/ (11b) Capstan motor**
**(11c) Charge arm assembly/ (11d) Sub cam gear**
**(11e) PWB holder**

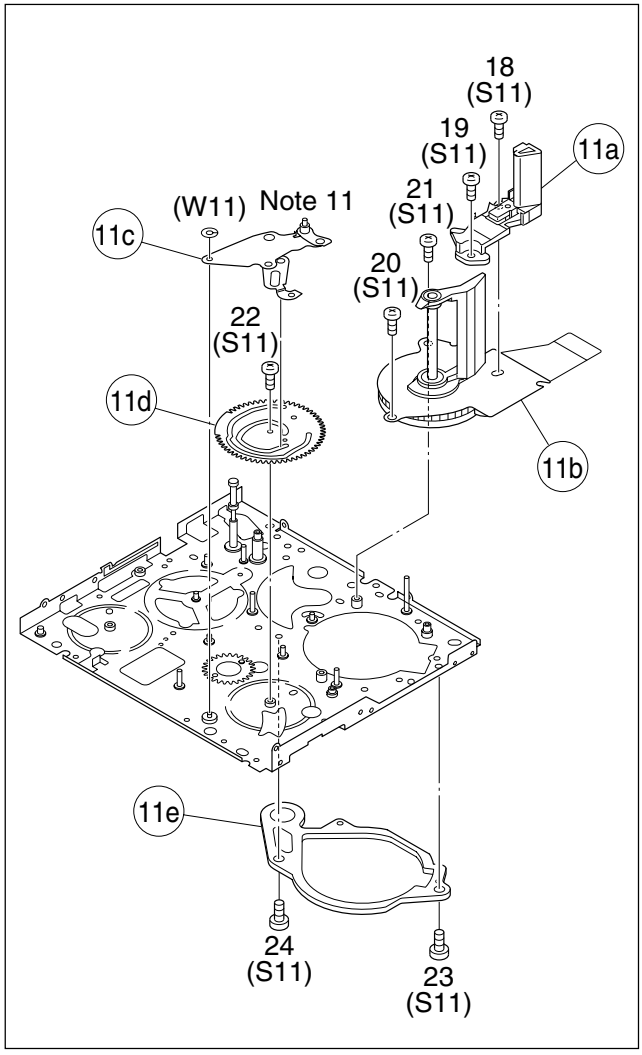
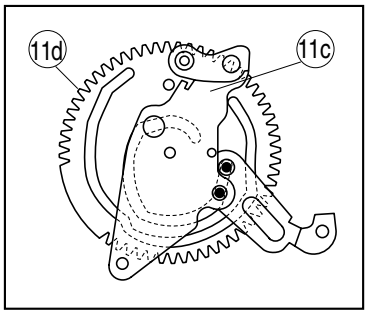
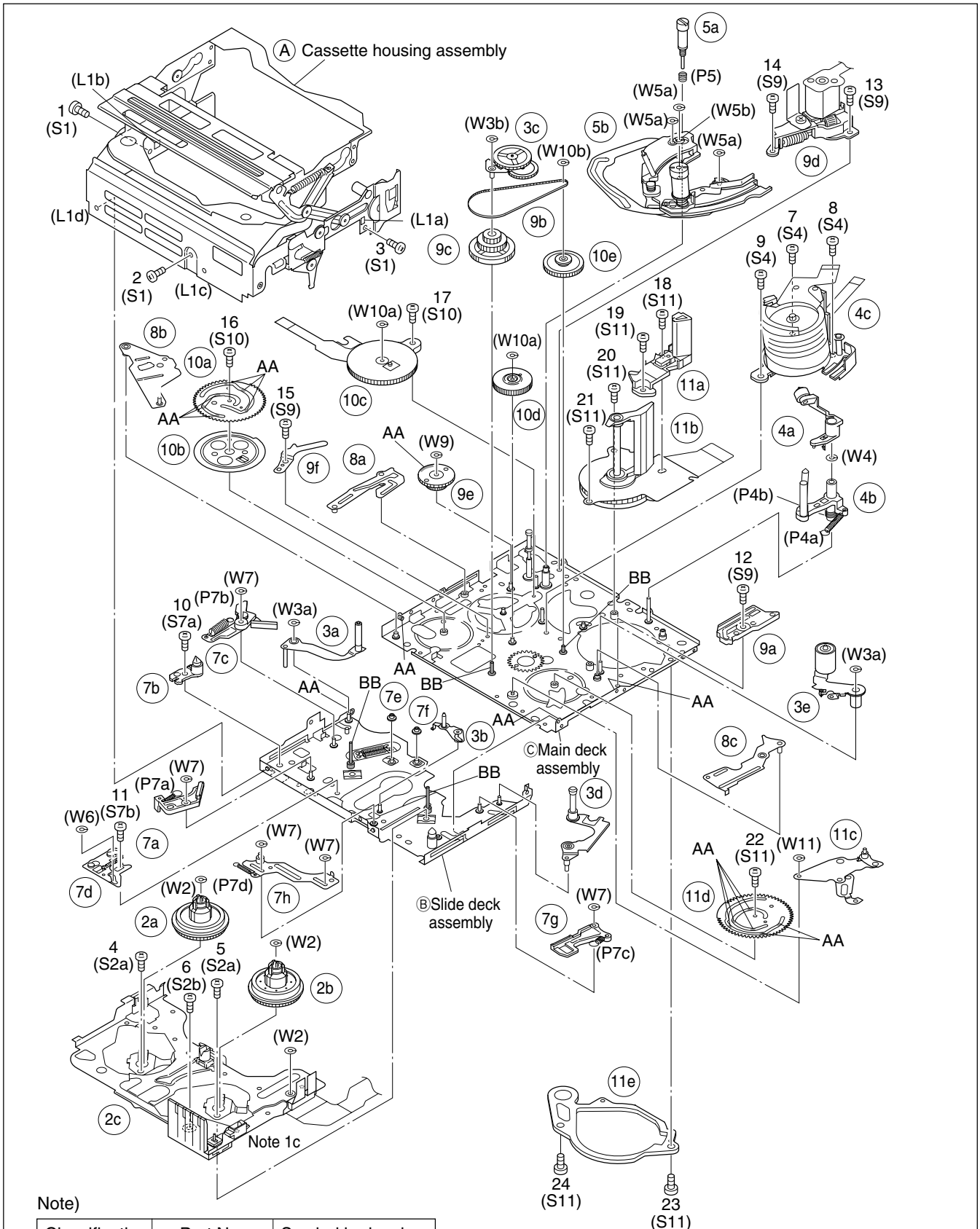



Fig. 2-4-15

**Note 11:**
*The following figure shows how to put the charge arm assembly and sub cam gear assembly together.*



### 2.4.3 List of procedures for disassembly

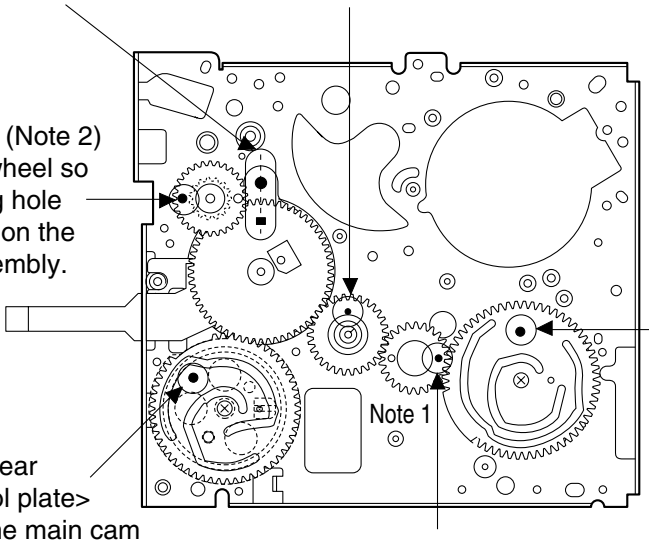



Note)

| Classification | Part No. | Symbol in drawing |
|---|---|---|
| Grease | KYODO-SH-JB | AA |
| Oil | YTU94027 | BB |

Fig. 2-4-16

## 2.5 CHECKUP AND ADJUSTMENT OF MECHANISM PHASE




<Rotary encoder>
Set the "■" of the rotary part at the tapped hole as shown in the figure.

<Connect gear> (Note 2)
Set the connect gear so that its locating hole meets the hole on the main deck assembly.

<Worm wheel> (Note 2)
Set the worm wheel so that its locating hole meets the hole on the main deck assembly.

<Sub cam gear>
Set the sub cam gear so that its locating hole meets the hole on the main deck assembly. This state represents that the mechanism is in the EJECT mode, which is the "mechanism assembly mode".

<Main cam gear /Brake control plate>
After fitting the main cam gear and brake control plat together,set them together so that their locating holes meet the hole on the main deck assembly.

<Connect gear 2> (Note 2)
Set the connect gear 2 so that its locating hole meets the hole on the main deck assembly.

**Note 1:**
*Since the connect gear 2 is tightly fixed to the main deck by caulking, adjust its phase with the connect gear and sub cam gear.*

**Note 2:**
*The part that needs phase adjustment by the hole on the main deck assembly must exactly be set as the specified phase. There is a fear that some part is installed in a wrong phase because assembling of the mechanism is automated. If so, set every part in the correct phase whenever the mechanism is reassembled.*

Fig. 2-5-1

## 2.6 MECHANISM ADJUSTMENTS

### 2.6.1 Assembling slide deck assembly and main deck assembly

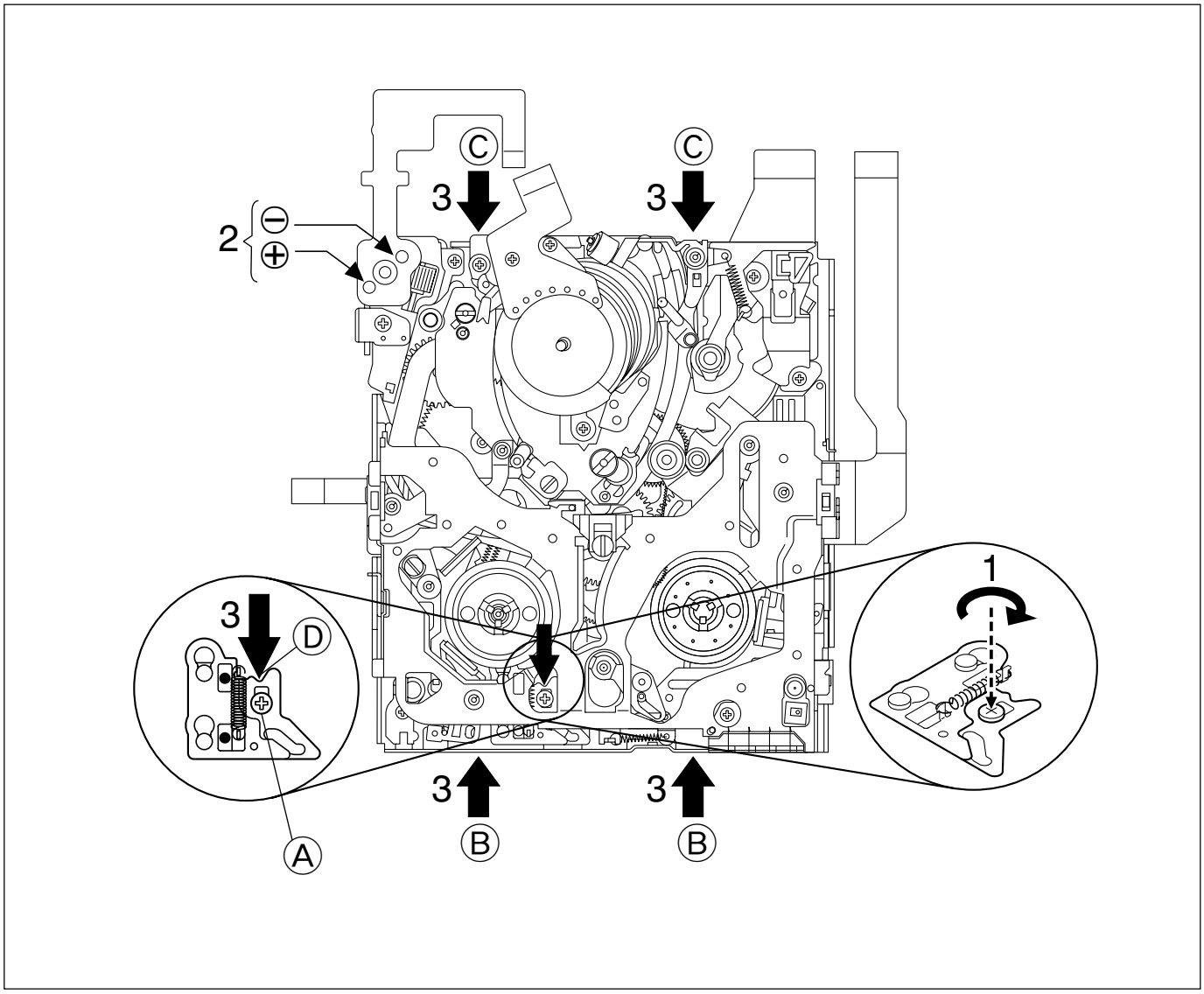



Fig. 2-6-1

**Assembling procedure**

1. Loosen the screw Ⓐ.
2. Set the mechanism in the PLAY mode.
   (Refer to “2.3.2 Explanation of mechanism mode”.)
3. Press the end face Ⓑ of the slide deck assembly (reel disk side) and the end face Ⓒ of the main deck assembly (drum assembly side) with uniform force so that the two assemblies are tightly pressed to each other. Furthermore, press the part Ⓓ and tighten the screw Ⓐ.

**Note :** *Tightening torque for screw Ⓐ: 0.069 N·m (0.7 kgf·cm)*

### 2.6.2 Locating tension pole

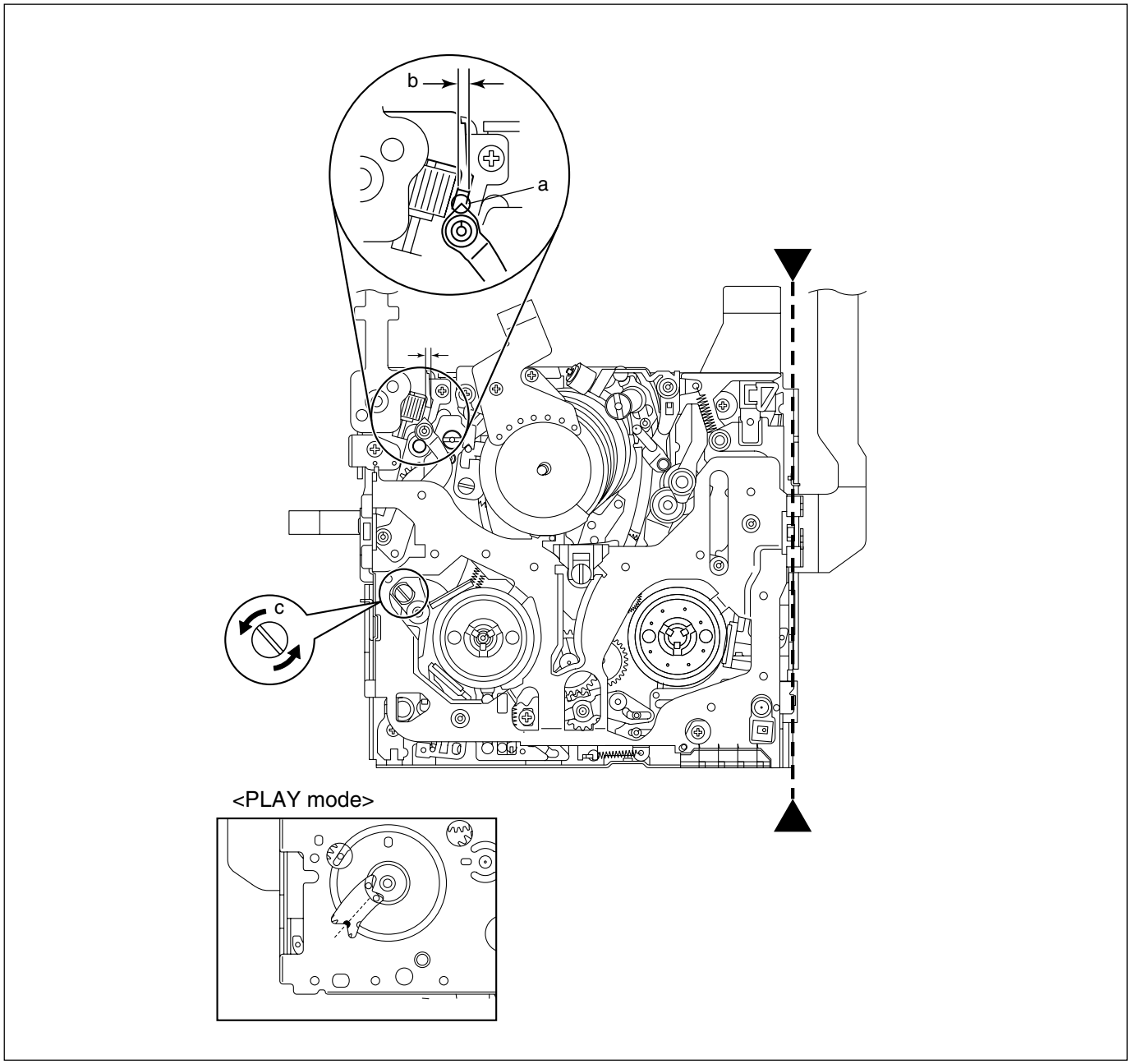



Fig. 2-6-2

**Locating procedure**

1. Enter the mechanism assembly into the PLAY mode. (Refer to “2.3.2 Explanation of mechanism mode”.)
2. When the “ ▶-----◀ ” part is positioned down, make sure that the part “a” of the tension arm assembly is located within the range of “b”.
3. If the part “a” is out of the range, turn the pin “c” to adjust the position.

## 2.7 SERVICE NOTE

Use the following chart to manage mechanism parts that are removed for disassembling the mechanism.

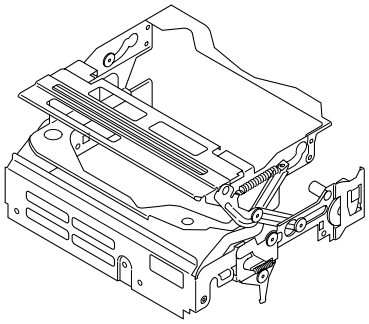
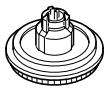
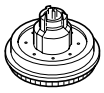
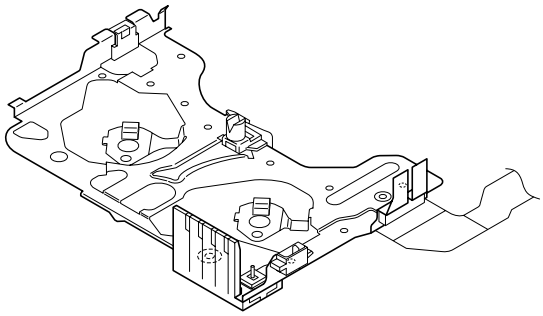
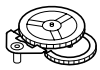
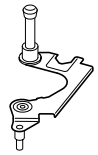
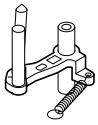
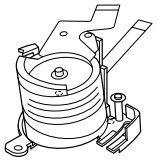
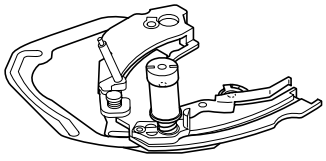
<table>
<tr><td>1</td><td colspan="5">(A) Cassette housing assembly<br>  <br>S1×3</td></tr>
<tr><td>2</td><td colspan="2">(2a) Reel disk (SUP) assembly<br>  <br>W2×1<br>(2b) Reel disk (TU) assembly<br>  <br>W2×1</td><td colspan="3">(2c) Reel cover assembly<br>  <br>S2a×2 S2b×1 W2×1</td></tr>
<tr><td>3</td><td>(3a) Tension arm assembly<br> <br>W3a×1</td><td>(3b) Release guide assembly<br> </td><td>(3c) Idler arm assembly<br>  <br>W3b×1</td><td>(3d) Guide arm assembly<br>  </td><td>(3e) Pinch roller arm assembly<br> <br>W3a×1</td></tr>
<tr><td>4</td><td>(4a) Cleaner arm assembly<br> </td><td colspan="2">(4b) Slant pole arm assembly<br>  <br>W4×1 P4a×1 P4b×1</td><td colspan="2">(4c) Drum assembly<br>  <br>S4×3</td></tr>
<tr><td>5</td><td>(5a) Guide roller (S) assembly<br> <br>P5×1</td><td colspan="3">(5b) Rail assembly<br>  <br>W5a×3 W5b×1</td></tr>
</table>

Table 2-7-1a

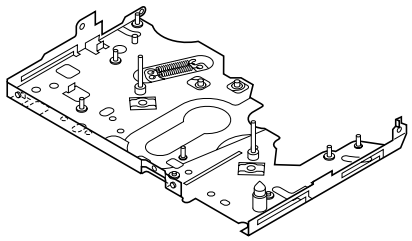
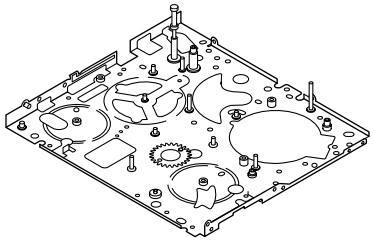
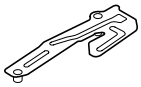
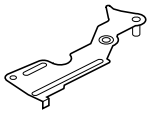
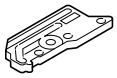
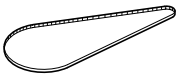
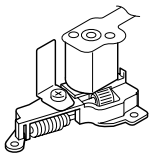
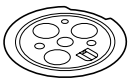
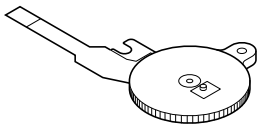
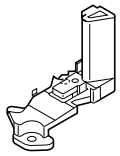
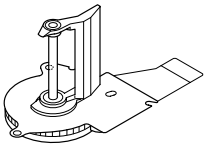
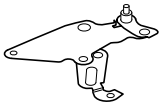
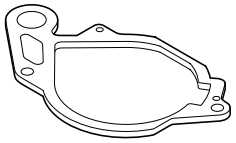
| | | | | | |
|---|---|---|---|---|---|
| 6 | B Slide deck assembly<br>  <br>W6×1 | 7 | 7a Loading brake assembly<br> <br>W7×1 P7a×1 | 7b Guide pin (S)<br> <br>S7a×1 | 7c Pad arm assembly<br> <br>W7×1 P7b×1 |
| | | | 7e Collar<br> | 7f Collar<br> | 7g Sub brake assembly<br> <br>W7×1 P7c×1 |
| 8 | C Main deck assembly<br>  | | 8a Tension lever assembly<br>  | 8b Slide lever assembly<br> | 8c Brake control lever assembly<br>  |
| 9 | 9a Loading guide<br>  <br>S9×1 | 9b Timing belt<br>  | 9c Center gear assembly<br> | 9d Motor bracket assembly<br>  <br>S9×2 | 9e Worm wheel<br> <br>W9×1 | 9f Gear holder<br> <br>S9×1 |
| 10 | 10a Main cam gear<br> <br>S10×1 | 10b Brake control plate<br>  | 10c Rotary encoder<br>  <br>S10×1 W10a×1 | 10d Connect gear<br> <br>W10a×1 | 10e Reel drive pulley assembly<br> <br>W10b×1 | |
| 11 | 11a Catcher (T) assembly<br>  <br>S11×2 | 11b Capstan motor<br>  <br>S11×2 | 11c Charge arm assembly<br>  <br>W11×1 | 11d Sub cam gear<br> <br>S11×1 | 11e PWB holder<br>  <br>S11×2 | |

Table 2-7-1b

## 2.8 COMPATIBILITY ADJUSTMENT

### 2.8.1 Jig connector cable connection

Remove one screw (1) first and the cover (JIG) next.

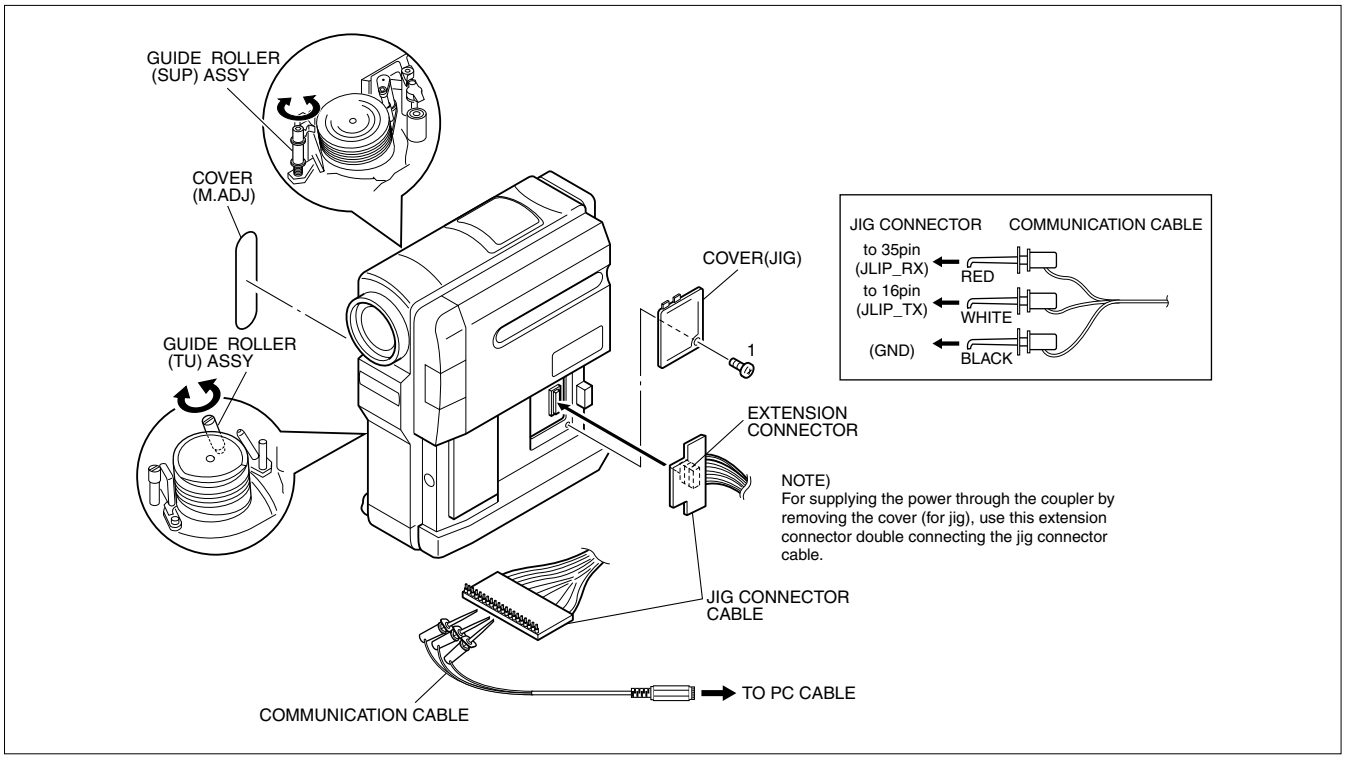



Fig. 2-8-1

MAIN
CN105

| | | |
|---|---|---|
| AU/R | 40 | |
| V_OUT | | 20 |
| AU/L | 39 | |
| ADP_DC | | 19 |
| GND | 38 | |
| ADP_DC | | 18 |
| SRV_GND | 37 | |
| GND | | 17 |
| I_MTR | 36 | |
| CVF_G | | 16 |
| MON_G | 35 | |
| RX2 | | 15 |
| TX2 | 34 | |
| MONI_CHG | | 14 |
| SBE | 33 | |
| SPA | | 13 |
| FRP | 32 | |
| FS_PLL | | 12 |
| DISCRI | 31 | |
| HID1 | | 11 |
| ATFI | 30 | |
| MAIN_VCO | | 10 |
| ENV_OUT | 29 | |
| PB_CLK | | 9 |
| TRST | 28 | |
| TCMK | | 8 |
| TMS | 27 | |
| TDO | | 7 |
| TDI | 26 | |
| JLIP_RX | | 6 |
| JLIP_TX | 25 | |
| IF_TX | | 5 |
| AL_3VSYS | 24 | |
| CJIG_RST | | 4 |
| VPPC | 23 | |
| SRV_RX | | 3 |
| SRV_TX | 22 | |
| REG_3V | | 2 |
| DRST | 21 | |
| VPPD | | 1 |

JIG CONN. BOARD
(PIN NO.)

NOTE)
The JIG connector board uses 30 to 40 pins of CN105 on the Main board.
Pins 17 to 20, 36 to 40 and 7 of CN105 on the Main board are not used.

| | |
|---|---|
| 6 | MON_G |
| 7 | TX2 |
| 8 | SBE |
| 9 | FRP |
| 10 | DISCRI |
| 11 | ATFI |
| 12 | ENV_OUT |
| 13 | TRST |
| 14 | TMS |
| 15 | TDI |
| 16 | JLIP_TX |
| 17 | AL_3VSYS |
| 18 | VPPC |
| 19 | SRV_TX |
| 20 | DRST |
| 25 | CVF_G |
| 26 | RX2 |
| 27 | MONI_CHG |
| 28 | SPA |
| 29 | FS_PLL |
| 30 | HID1 |
| 31 | MAIN_VCO |
| 32 | PB_CLK |
| 33 | TCMK |
| 35 | JLIP_RX |
| 36 | IF_TX |
| 37 | CJIG_RST |
| 38 | SRV_RX |
| 39 | REG_3V |
| 40 | VPPD |

Fig. 2-8-2

### 2.8.2 Tape pattern check

(1) Play back the compatibility adjustment tape.

(2) While triggering the MAIN CN105-11PIN (HID1), observe the waveform of CN105-29PIN (ENV_OUT).

(3) Confirm that the waveform is free from remarkable level-down, and entirely parallel and straight.
Moreover, perform the following adjustment as required.

(4) In case any level-down is observed on the left hand side, straighten the level by turning the guide roller of the pole base assembly (supply).
In case any level-down is observed on the right hand side, however, straighten the level by turning the guide roller of the pole base assembly (Take-up).

(5) After adjustment, try the unloading motion once, and confirm that the waveform is flat (straight) when the tape has been played back again.
Moreover, perform readjustment as required.

(6) When the recording has been played back again, play back the self-recording to confirm that the waveform is flat.

**Note:**
*When an adjustment is performed with the lower case cover attached, first slide the Cover (M.ADJ) open and then perform the compatibility adjustment.*
*Be sure not to damage the cover plate when sliding it open to make an adjustment because it must be re-positioned after completing the adjustment.*

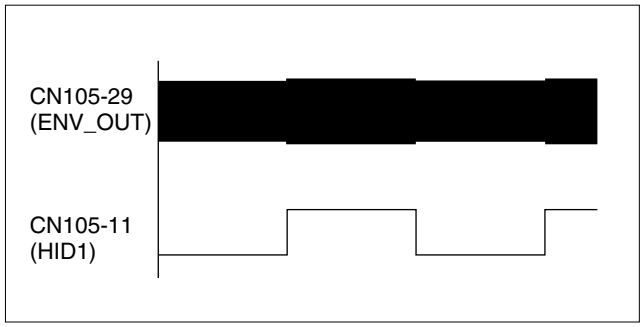



Fig. 2-8-3

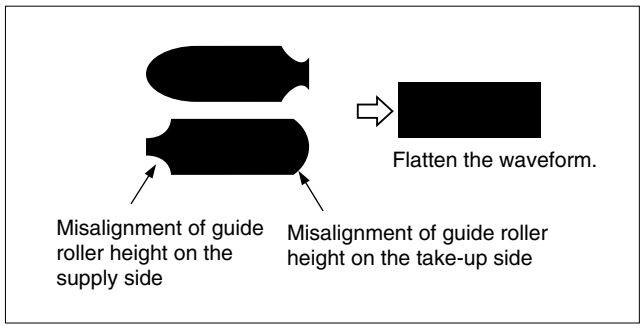

Flatten the waveform.
Misalignment of guide roller height on the supply side
Misalignment of guide roller height on the take-up side

Fig. 2-8-4

# SECTION 3
# ELECTRICAL ADJUSTMENT

## 3.1 PRECAUTION

### 1. Precaution

Both the camera and deck sections of this model needs a personal computer for adjustment except simple adjustment with potentiometers. If some of the following parts is replaced for repair or other reason, the repaired set must be adjusted with a personal computer.

- OP block
- E²PROM (IC1003 of MAIN board)
- E. VF
- MONITOR
- E²PROM (IC7603 of MONITOR board)

In the event of malfunction with electrical circuits, trouble-shooting with the aid of proper test instruments most be done first, and then commence necessary repair, replacement and adjustment, etc.

1. In case of wiring to chip test points for measurement, use IC clips, etc. to avoid any stress.
2. Since connectors are fragile, carefully handle them in disconnecting and connecting.

### 2. Required test equipment

1. Color TV monitor.
2. Oscilloscope (dual-trace type, observable 100 MHz or higher frequency)
   **Note : *It is recommended to use one observable 300 MHz or higher frequency.***
3. Digital voltmeter
4. Frequency counter (with threshold level adjuster)
5. Personal computer

### 3. Tools required for adjustments

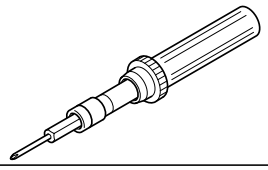
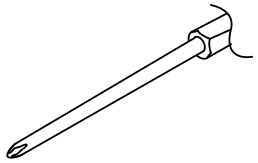
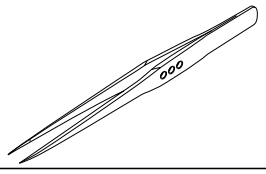
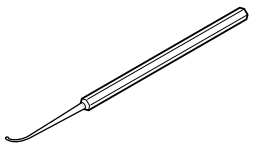
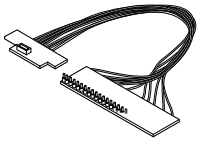
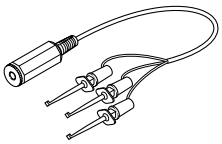
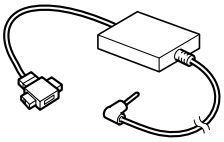
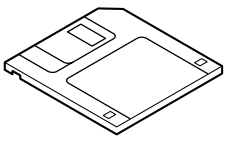
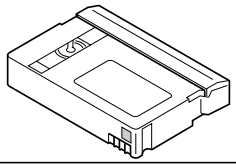
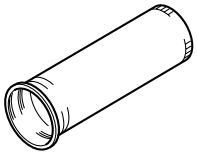
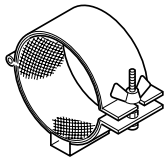
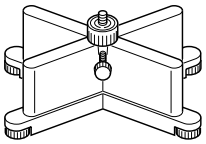
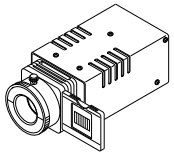
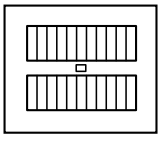
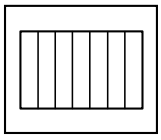
| | |
|---|---|
| 1 Torque driver YTU94088 | 2 Bit YTU94088-003 |
|  |  |
| 3 Tweezers P-895 | 4 Chip IC replacement jig PTS40844-2 |
|  |  |
| 5 Jig connector cable YTU93106C | 6 Extension connector YTU94145D-40 |
|  | |
| 7 Communication cable YTU93107A | 8 PC cable QAM0099-002 |
|  |  |
| 9 Service support system YTU94057-63 | 10 Alignment tape MC-1 |
|  |  |
| 11 INF adjustment lens YTU92001B | 12 INF adjustment lens holder YTU94087 |
|  |  |
| 13 Camera stand YTU93079 | 14 Light box assembly YTU93096A |
|  |  |
| 15 Gray scale chart YTU94133A | 16 Color bar chart YTU94133C |
|  |  |

Table 3-1-1

1. **Torque driver**
   Be sure to use to fastening the mechanism and exterior parts because those parts must strictly be controlled for tightening torque.
2. **Bit**
   This bit is slightly longer than those set in conventional torque drivers.
3. **Tweezers**
   To be used for removing and installing parts and wires.
4. **Chip IC replacement jig**
   To be used for adjustment of the camera system.
5. **Jig connector cable**
   Connected to CN105 of the main board and used for electrical adjustment, etc.
6. **Extension connector**
   Connect this extension connector to the connector of the jig connector cable for extending the cable connector.
   **Note:** *For supplying the power through the coupler by removing the cover (for jig), use this extension connector double for connecting the jig connector cable.*
7. **Communication cable**
   Connect the Communication cable between the PC cable and Jig connector cable when performing a PC adjustment.
8. **PC cable**
   To be used to connect the VideoMovie and a personal computer with each other when a personal computer is used for adjustment.
9. **Service support system**
   To be used for adjustment with a personal computer.
10. **Alignment tape**
    To be used for check and adjustment of interchangeability of the mechanism.
11. **INF adjustment lens**
    To be used for adjustment of the camera system.
12. **INF adjustment lens holder**
    To be used together with the camera stand for operating the VideoMovie in the stripped-down condition such as the status without the exterior parts or for using commodities that are not yet conformable to the interchangeable ring.
13. **Camera stand**
    To be used together with the INF adjustment lens holder.
14. **Light box assembly**
    To be used for adjustment of the camera system.
15. **Gray scale chart (for Light box assembly)**
    To be used for adjustment of the camera system.
16. **Color bar chart (for Light box assembly)**
    To be used for adjustment of the camera system.

### 3.2 SETUP

1. Setup for electrical adjustment with personal computer.
   **NOTE:** *Remove one screw (1) first and the cover (JIG) next.*

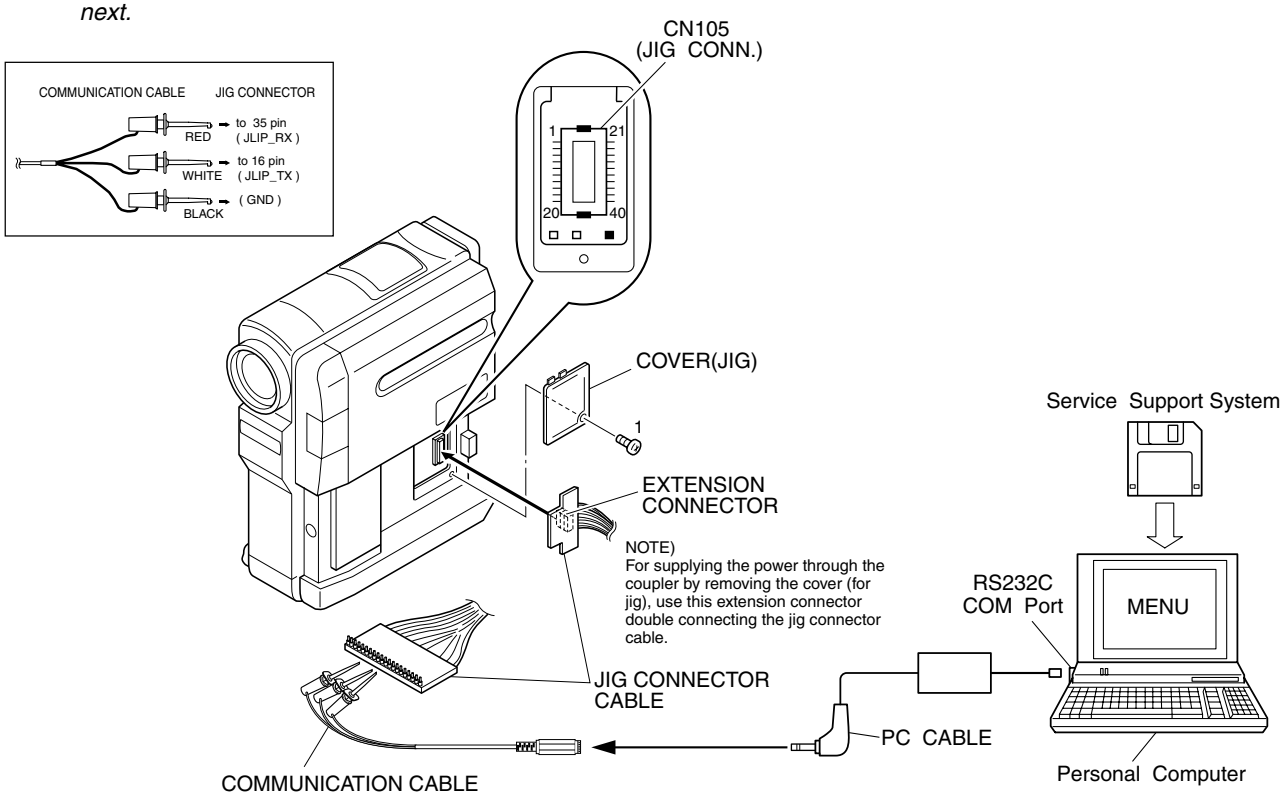



Fig. 3-2-1 Connection for Service support system

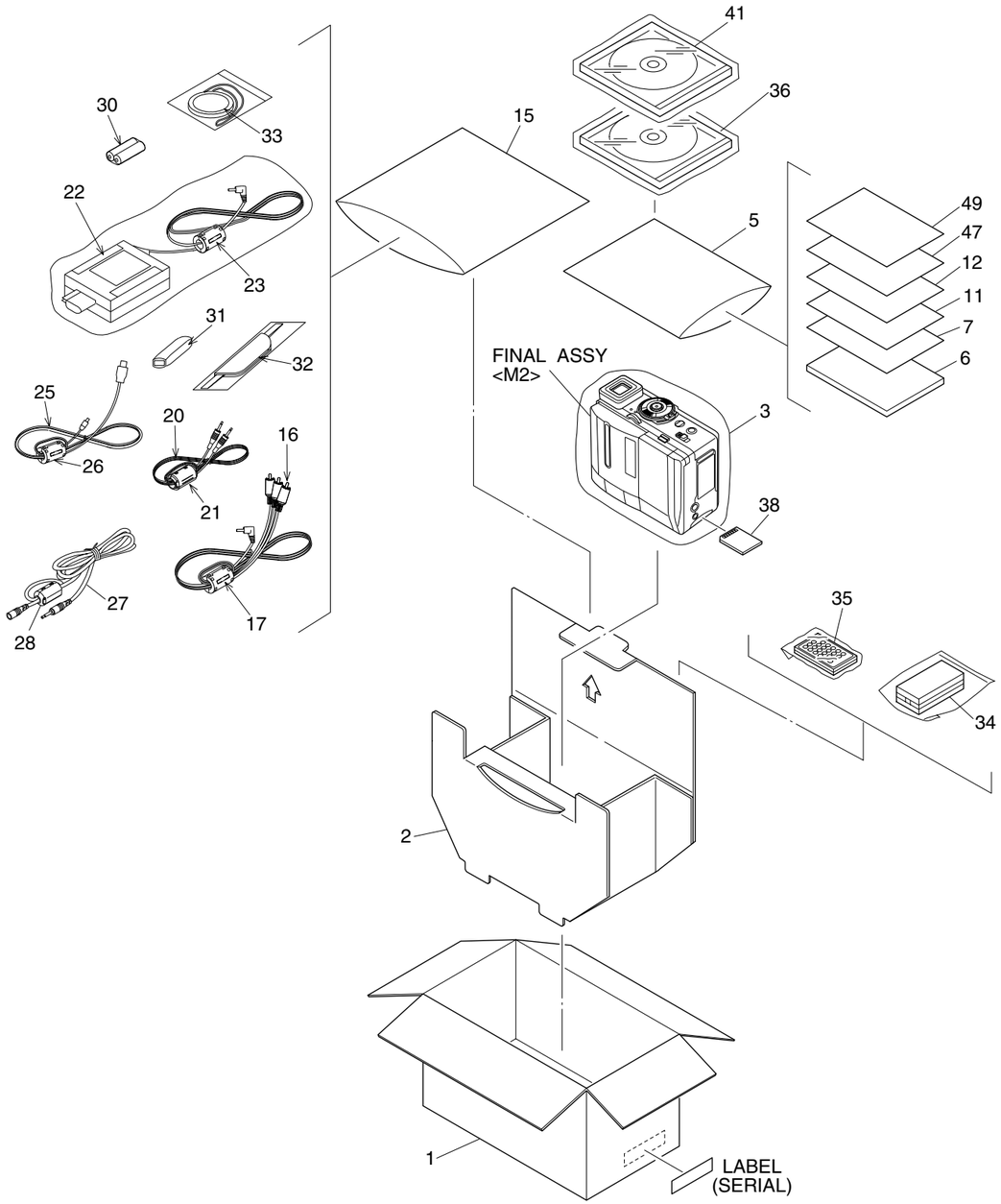
# SECTION 5
# PARTS LIST

## SAFETY PRECAUTION

**Parts identified by the ⚠ symbol are critical for safety. Replace only with specified part numbers.**

### 5.1 PACKING AND ACCESSORY ASSEMBLY <M1>

**The instruction manual to be provided with this product will differ according to the destination.**




| # | ⚠ | REF No. | PART No. | PART NAME, DESCRIPTION |
|---|---|---|---|---|

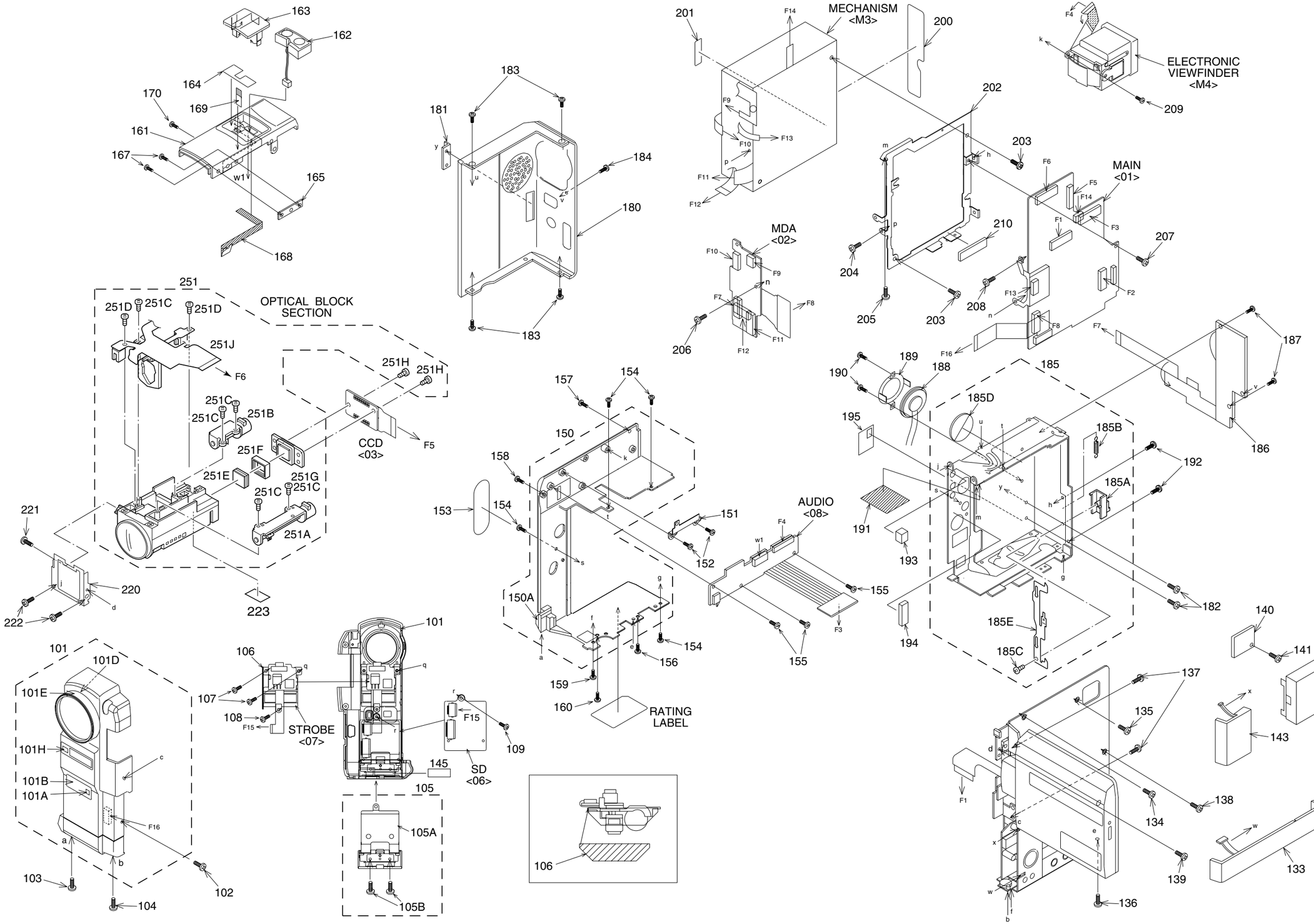
**********

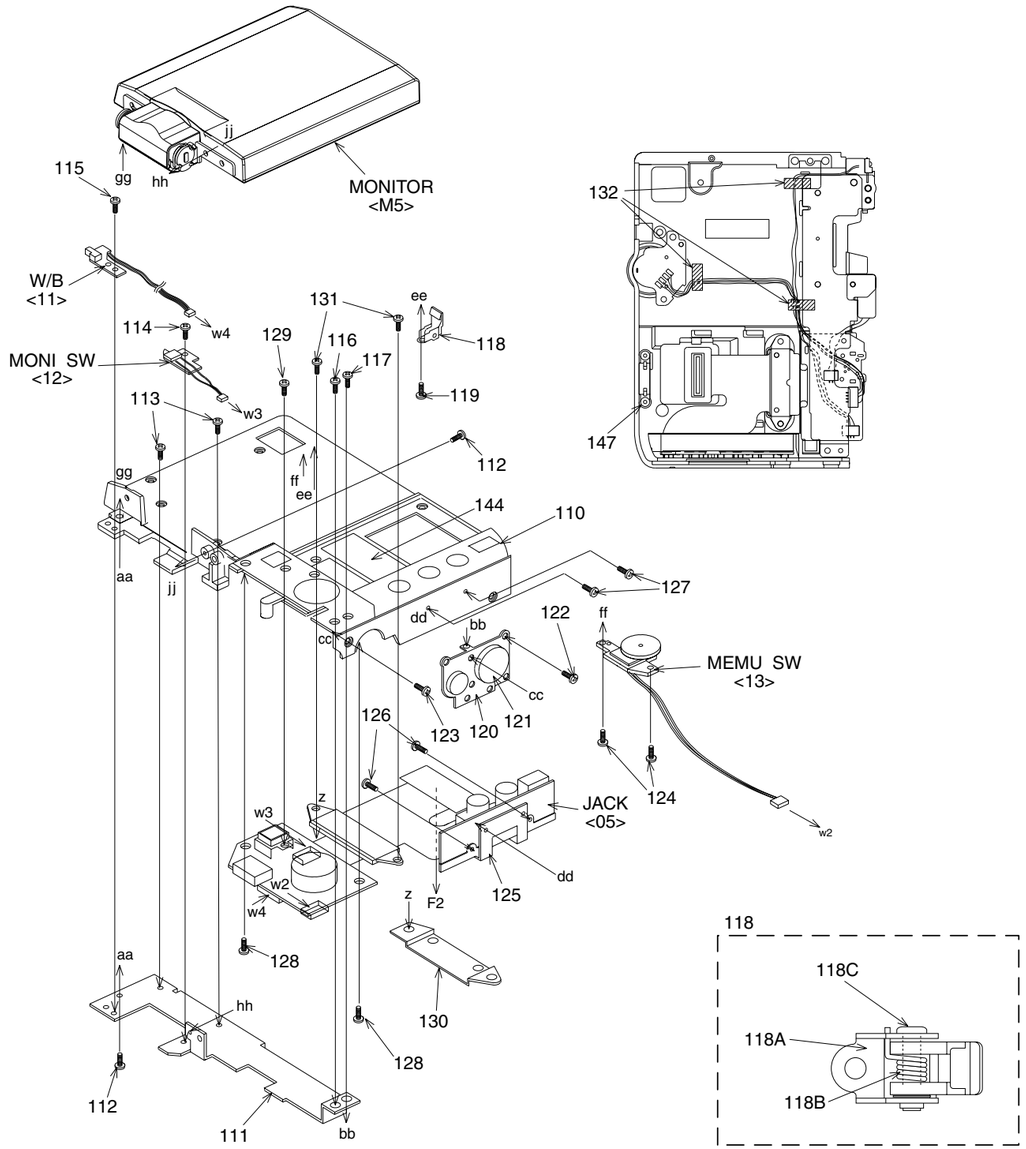
**PACKING AND ACCESSORY ASSEMBLY <M1>**

| | | | |
|---|---|---|---|
| | 1 | LY32700-002A | PACKING CASE |
| | 2 | LY20862-001B | CUSHION |
| | 3 | LY30023-003A | POLY BAG |
| | 5 | QPA02003506 | POLY BAG |
| ⚠ | 6 | LYT0973-001A | INST.BOOK(EN) |
| ⚠ | | LYT0973-002A | INST.BOOK(FR) |
| ⚠ | | LYT0973-003A | INST.BOOK(SP) |
| | 7 | LYT0931-001A | INST.BOOK(SOFT.EN) |
| | | LYT0931-003A | INST.BOOK(SOFT.FR) |
| | | LYT0931-005A | INST.BOOK(SOFT.SP) |
| | 11 | YU10350 | Q.CARD(JCA) |
| | 12 | BT-51028-1 | REGIST.CARD |
| | 15 | QPA01703005 | POLY BAG |
| | 16 | QAM0346-001 | CABLE ASSY,AUDIO/VIDEO CABLE |
| | 17 | QQR0918-002 | CORE FILTER |
| | 20 | PEAC0428-150 | CABLE ASSY,EDITING CABLE |
| | 21 | QQR0491-002 | CORE FILTER |
| ⚠ | 22 | LY20848-001B | AC ADAPTER,AP-V12U |
| | 23 | QQR0917-002 | CORE FILTER |
| | 25 | QAM0324-001 | USB CABLE |
| | 26 | QQR0491-002 | CORE FILTER |
| | 27 | QAM0213-001 | AUDIO CABLE |
| | 28 | QQR0917-002 | CORE FILTER |
| | 30 | – | BATTERY,AAA(R03),X2 |
| | 31 | LY43501-001A | SLEEVE,FINGER SUPPORT |
| | 32 | LY32758-001A | GRIP BELT |
| | 33 | LY43576-001A | HOOD CAP ASSY |
| ⚠ | 34 | LY32752-001A | BATTERY PACK,BN-V306U |
| | 35 | LY20750-001A | REMOTE CONTROL UNIT,RM-V717U |
| | 36 | LY32210-026A | CD ROM ASSY |
| | 38 | QAM0342-002 | MEMORY CARD,8MB(SD) |
| | 41 | LY32210-009A | CD ROM ASSY |
| | 47 | LYT0973-004A | SHEET(INFO.) |
| | 49 | BT-51005-5 | WARRANTY INF. |

- **INSTRUCTIONS**
  - EN ..... ENGLISH
  - FR ..... FRENCH
  - SP ..... SPANISH

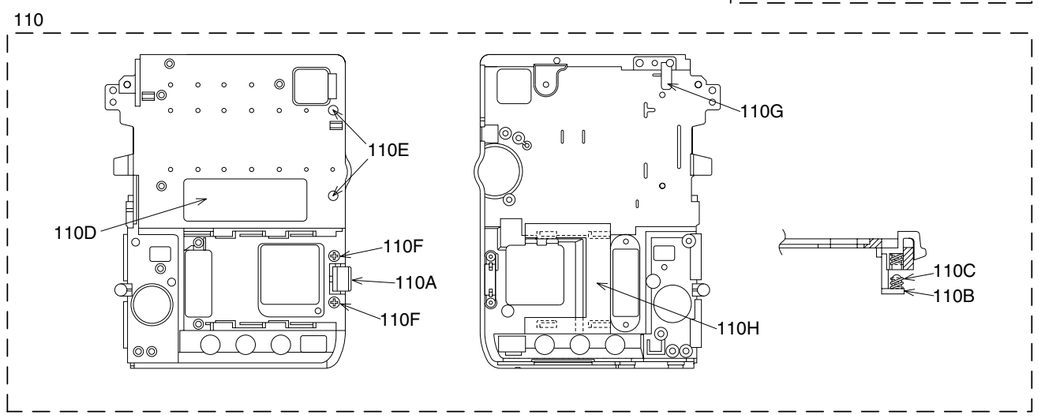
## 5.2 FINAL ASSEMBLY <M2>














| # | ⚠ | REF No. | PART No. | PART NAME, DESCRIPTION |
|---|---|---|---|---|

**********

## FINAL ASSEMBLY <M2>

| | | | |
|---|---|---|---|
| | | 101 | LY20858-005A | FRONT COVER ASSY |
| | | 101A | LY43478-001A | INDICATOR |
| | | 101B | LY43479-001A | WINDOW(IR) |
| | | 101D | LY32664-002A | HOOD |
| | | 101E | LY32665-001A | RING |
| | | 101H | LY43480-001A | WINDOW(STB) |
| | | 102 | LY30018-0B7A | SPECIAL SCREW |
| | | 103 | LY30018-0F4A | SPECIAL SCREW |
| | | 104 | LY30018-0A3A | SPECIAL SCREW |
| | | 105 | LY32667-001A | COVER(SD)ASSY |
| | | 105A | LY32669-001A | HINGE ASSY |
| | | 105B | LY30018-0F3A | SPECIAL SCREW,X2 |
| | | 106 | LY43780-001A | SHEET(STB) |
| | | 107 | LY30018-063A | SPECIAL SCREW,X2 |
| | | 108 | LY30018-063A | SPECIAL SCREW |
| | | 109 | LY30018-063A | SPECIAL SCREW |
| | | 110 | LY32661-004D | UPPER CASE ASSY |
| | | 110A | LY32662-001A | KNOB(LOCK) |
| | | 110B | LY32663-001A | HOLDER(KNOB) |
| | | 110C | LY30002-027A | COMPRESSION SPRING |
| | | 110D | LY43575-001A | SHEET(CAUTION) |
| | | 110E | LY42350-001A | FOOT,X2 |
| | | 110F | LY30018-0G4A | SPECIAL SCREW,X2 |
| | | 110G | LY43573-001A | SHEET(EARTH) |
| | | 110H | LY43826-001A | SHEET(UPPER) |
| | | 111 | LY32697-001A | BRACKET(UPPER) |
| | | 112 | LY30018-0F7A | SPECIAL SCREW,X2 |
| | | 113 | LY30018-006B | SPECIAL SCREW,X2 |
| | | 114 | LY30018-0E3A | SPECIAL SCREW |
| | | 115 | LY30018-0E4A | SPECIAL SCREW |
| | | 116 | LY30018-0E4A | SPECIAL SCREW |
| | | 117 | LY30018-0E4A | SPECIAL SCREW |
| | | 118 | LY43472-001A | MONI LOCK ASSY |
| | | 118A | LY43473-001A | BRACKET(MONI LOCK) |
| | | 118B | LY43474-001A | TORSION SPRING |
| | | 118C | LY30019-043A | SPECIAL SCREW |
| | | 119 | LY30018-021A | SPECIAL SCREW |
| | | 120 | LY43560-001A | BRACKET(BASE) |
| | | 121 | LY32673-001A | BASE |
| | | 122 | LY30018-063A | SPECIAL SCREW |
| | | 123 | LY30018-0A3A | SPECIAL SCREW |
| | | 124 | LY30018-063A | SPECIAL SCREW,X2 |
| | | 125 | LY32696-001A | BRACKET(JACK PWB) |
| | | 126 | LY30018-032A | SPECIAL SCREW,X2 |
| | | 127 | LY30018-0E3A | SPECIAL SCREW,X2 |
| | | 128 | LY30018-063A | SPECIAL SCREW,X2 |
| | | 129 | LY30018-0E4A | SPECIAL SCREW |
| | | 130 | LY43486-001A | BRACKET(TERMINAL) |
| | | 131 | LY30018-0E4A | SPECIAL SCREW,X2 |
| | | 132 | LY30029-023A | SPACER(A),X3 |
| | | 133 | LY32639-001A | COVER(JACK) |
| | | 134 | LY30018-012A | SPECIAL SCREW |
| | | 135 | LY30018-0B7A | SPECIAL SCREW |
| | | 136 | LY30018-065A | SPECIAL SCREW |
| | | 137 | QYSPSGT1780R | SCREW,X2 |
| | | 138 | LY30018-0E4A | SPECIAL SCREW |
| | | 139 | LY30018-0F6A | SPECIAL SCREW |
| | | 140 | LY32677-002A | COVER(JIG) |
| | | 141 | LY30018-026A | SPECIAL SCREW |
| | | 142 | LY32678-001A | DUMMY BATTERY |
| | | 143 | LY43483-001A | COVER(DV)ASSY |
| | | 144 | LY43571-001A | STICKER |
| | | 145 | LY43825-001A | SHEET(FRONT) |
| | | 146 | LY43637-005A | STICKER |
| | | 147 | LY30029-0Z3A | SPACER(A) |
| | ⚠ | 150 | LY20841-003B | LOWER CASE ASSY |
| | | 150A | LY43482-001A | SHAFT |
| | | 151 | LY32656-001A | BRACKET(LOWER) |
| | | 152 | LY30018-019A | SPECIAL SCREW,X2 |
| | | 153 | LY43513-001A | SHEET(ADJUST) |
| | | 154 | LY30018-0E3A | SPECIAL SCREW,X4 |
| | | 155 | LY30018-063A | SPECIAL SCREW,X3 |
| | | 156 | LY30018-0E3A | SPECIAL SCREW |
| | | 157 | LY30018-063A | SPECIAL SCREW |
| | | 158 | LY30018-0F5A | SPECIAL SCREW |
| | | 159 | LY30018-0A3A | SPECIAL SCREW |
| | | 160 | LY30018-065A | SPECIAL SCREW |
| | | 161 | LY20853-001A | TOP COVER |
| | | 162 | LY32582-001A | MICROPHONE |
| | | 163 | LY32655-001A | MIC COVER |
| | | 164 | LY43568-001A | SHEET(MIC) |
| | | 165 | LY43471-001A | BRACKET(TOP) |
| | | 167 | LY30018-005A | SPECIAL SCREW,X2 |
| | | 168 | LY43569-001A | EARTH SHEET |
| | | 169 | LY43763-001A | EARTH(MIC COV.) |
| | | 170 | LY30018-012A | SPECIAL SCREW |
| | | 180 | LY32702-003A | CASSETTE COVER ASSY |
| | | 181 | LY43462-001A | HOOK |
| | | 182 | LY30018-038A | SPECIAL SCREW,X2 |
| | | 183 | LY30018-0E3A | SPECIAL SCREW,X4 |
| | | 184 | LY30018-0D5A | SPECIAL SCREW |
| | | 185 | LY20850-001B | ARM ASSY |
| | | 185A | LY32652-001B | KNOB(LOCK) |
| | | 185B | LY30001-023A | TENSION SPRING |
| | | 185C | LY30018-0E8A | SPECIAL SCREW |
| | | 185D | LY43468-001A | SPACER(SPK) |
| | | 185E | LY32653-001A | PLATE(LOCK) |
| | | 186 | LY20840-001B | CAMERA OPE UNIT |
| | | 187 | LY30018-0E3A | SPECIAL SCREW,X2 |
| | | 188 | QAS0103-001 | SPEAKER |
| | | 189 | LY43469-001A | BRACKET(SPK) |
| | | 190 | LY30018-0E3A | SPECIAL SCREW,X2 |
| | | 191 | LY43810-001A | SHEET(ARM) |
| | | 192 | LY30018-0E3A | SPECIAL SCREW,X2 |
| | | 193 | LY30029-0Z1A | SPACER(A) |
| | | 194 | LY30029-0Z2A | SPACER(A) |
| | | 195 | LY30029-0Y9A | SPACER(A) |
| | | 200 | LY40698-002A | LABEL(HOUSING) |
| | | 201 | LY40699-002A | LABEL(PUSH) |
| | | 202 | LY20854-001B | BRACKET(MECHA) |
| | | 203 | LY30019-026A | SPECIAL SCREW,X2 |
| | | 204 | YQ43893-4 | MINI SCREW |
| | | 205 | LY30018-0E3A | SPECIAL SCREW |
| | | 206 | LY30018-065A | SPECIAL SCREW |
| | | 207 | LY30018-065A | SPECIAL SCREW |
| | | 208 | YQ43893-4 | MINI SCREW |
| | | 209 | LY30018-063A | SPECIAL SCREW |
| | | 210 | LY43866-001A | SPACER(MECHA) |
| | | 220 | LY32682-001A | OP BRACKET(J7C) |
| | | 221 | LY30019-042A | SPECIAL SCREW |
| | | 222 | LY30018-0E3A | SPECIAL SCREW,X2 |
| | | 223 | LY30029-0E9A | SPACER(A) |

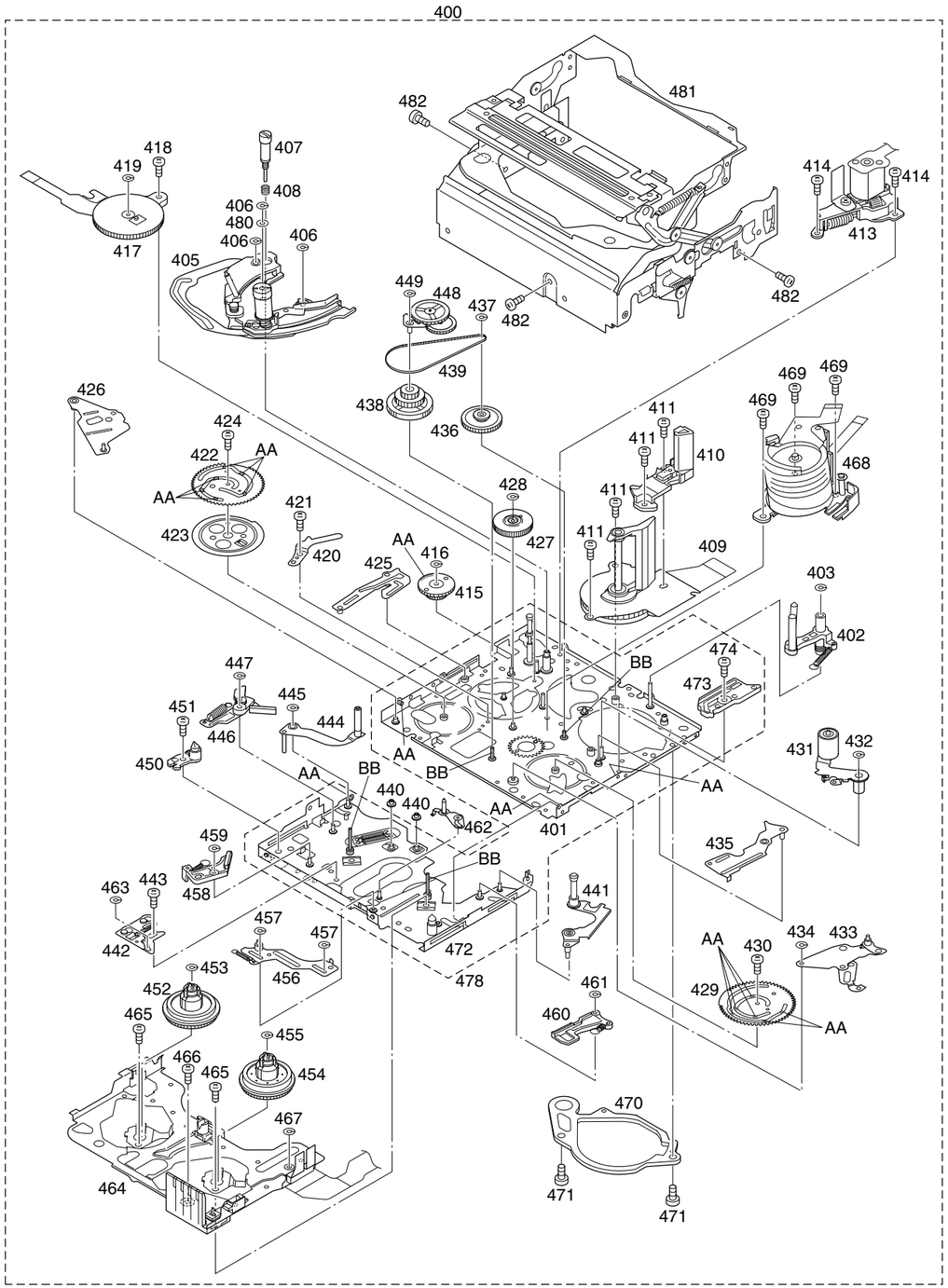
### – OPTICAL BLOCK SECTION –

| | | | |
|---|---|---|---|
| | | 251 | J7C-113A | OPTICAL BLOCK ASSY |
| | | 251A | LY31572-001A | ZOOM MOTOR |
| | | 251B | LY31571-001A | FOCUS MOTOR |
| | | 251C | LY30727-002A | SCREW,X5 |
| | | 251D | LY30727-001A | SCREW,X2 |
| | | 251E | LY43384-001A | OPTICAL LPF |
| | | 251F | LY43494-001A | SHEET |
| | | 251G | LYH30375-003A | CCD BASE ASSY |
| | | 251H | QYSPSGU1750Z | SCREW,X2 |
| | | 251J | LY32760-001A | IRIS MOTOR UNIT |

## 5.3 MECHANISM ASSEMBLY <M3>

**BEWARE OF BOGUS PARTS**

***Parts that do not meet specifications may cause trouble in regard to safety and performance. We recommend that genuine JVC parts be used.***




| Classification | Part No. | Symbol in drawing |
|---|---|---|
| Grease | KYODO-SH-JB | AA |
| Oil | YTU94027 | BB |

**NOTE:** The section marked in **AA** and **BB** indicate lubrication and greasing areas.

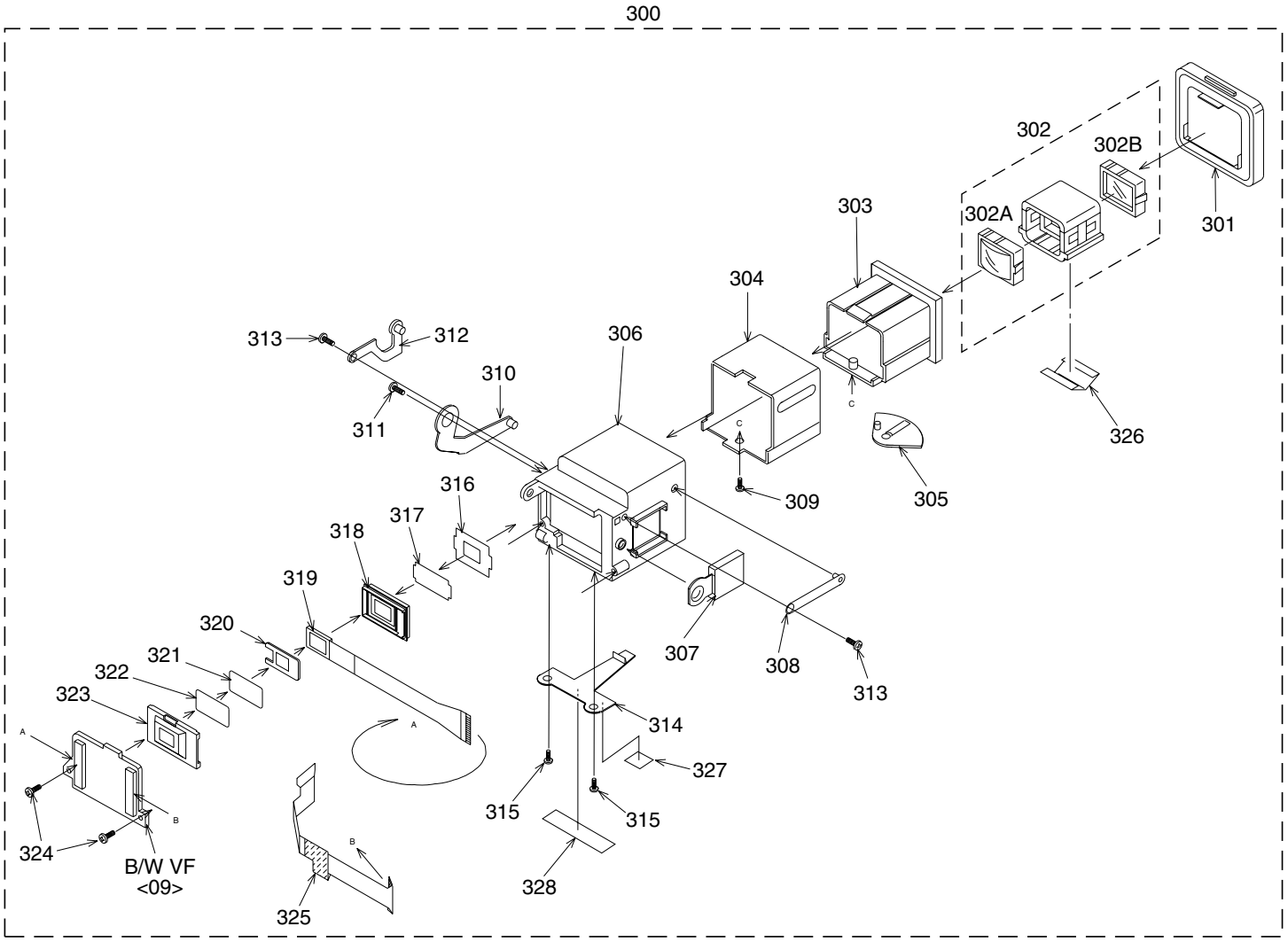


| # ⚠ REF No. | PART No. | PART NAME, DESCRIPTION |
|---|---|---|
| ********** | | |

### MECHANISM ASSEMBLY <M3>

| # ⚠ REF No. | PART No. | PART NAME, DESCRIPTION |
|---|---|---|
| 400 | YMA0025UCC/E | MECHA(A)ASSY |
| 401 | LY10240-001D | MAIN DECK ASSY |
| 402 | LY30436-001J | SLANT POLE ARM ASSY |
| 403 | YQ44246 | SLIT WASHER |
| 405 | LY10080-001V | RAIL ASSY |
| 406 | YQ44246 | SLIT WASHER,X3 |
| 407 | LY40353-001D | GUIDE ROLLER(S)ASSY |
| 408 | LY30002-006C | COMPRESSION SPRING |
| 409 | QAR0026-002 | CAPSTAN MOTOR |
| 410 | LY30504-001C | CATCHER(T)ASSY |
| 411 | YQ43893 | MINI SCREW,X4 |
| 413 | LY30448-001E | MOTOR BRACKET ASSY |
| 414 | YQ43893 | MINI SCREW,X2 |
| 415 | LY31840-001A | WORM WHEEL |
| 416 | YQ44246 | SLIT WASHER |
| 417 | LY40496-001C | ROTARY ENCODER |
| 418 | YQ43893 | MINI SCREW |
| 419 | YQ44246 | SLIT WASHER |
| 420 | LY42632-001A | GEAR HOLDER |
| 421 | YQ43893-6 | MINI SCREW |
| 422 | LY31841-001A | MAIN CAM |
| 423 | LY31842-001A | BRAKE CONTROL PLATE |
| 424 | YQ43893 | MINI SCREW |
| 425 | LY42633-001A | TAKE UP CONTROL LEVER ASSY |
| 426 | LY31844-001A | SLIDE LEVER ASY |
| 427 | LY31846-001A | CONNECT GEAR |
| 428 | YQ44246 | SLIT WASHER |
| 429 | LY31847-001A | SUB CAM |
| 430 | YQ43893 | MINI SCREW |
| 431 | LY31785-001A | PINCHI ROLLER ARM UNIT |
| 432 | YQ44246 | SLIT WASHER |
| 433 | LY31850-001A | CHARGE ARM ASSY |
| 434 | YQ44246 | SLIT WASHER |
| 435 | LY42643-001A | BRAKE CONTROL LEVER ASSY |
| 436 | LY42645-001A | REEL DRIVE PULLEY ASSY |
| 437 | YQ44246-2 | SLIT WASHER |
| 438 | LY40391-002B | CENTER GEAR ASSY |
| 439 | LY40396-001A | TIMING BELT |
| 440 | LY40413-001A | COLLAR,X2 |
| 441 | LY31854-001A | GUIDE ARM ASSY |
| 442 | LY31786-001A | SLIDE GUIDE PLATE UNIT |
| 443 | YQ43893-2 | MINI SCREW |
| 444 | LY42651-001B | TENSION ARM ASSY |
| 445 | YQ44246 | SLIT WASHER |
| 446 | LY30471-001D | PAD ARM ASSY |
| 447 | YQ44246 | SLIT WASHER |
| 448 | LY42745-001A | IDLER ARM ASSY |
| 449 | YQ44246-2 | SLIT WASHER |
| 450 | LY31861-001A | GUIDE PIN(SUPPLY) |
| 451 | YQ43893 | MINI SCREW |
| 452 | LY40441-001B | REEL DISK(SUPPLY)ASSY |
| 453 | YQ44246 | SLIT WASHER |
| 454 | LY40443-001B | REEL DISK(TAKE UP)ASSY |
| 455 | YQ44246 | SLIT WASHER |
| 456 | LY31788-001A | CONTROL PLATE UNIT |
| 457 | YQ44246 | SLIT WASHER,X2 |
| 458 | LY40444-001E | LOADING BRAKE ASSY |
| 459 | YQ44246 | SLIT WASHER |
| 460 | LY40452-001C | SUB BRAKE ASSY |
| 461 | YQ44246 | SLIT WASHER |
| 462 | LY31863-001B | RELEASE GUIDE ASSY |
| 463 | YQ44246 | SLIT WASHER |
| 464 | LY20146-001H | REEL COVER ASSY |
| 465 | YQ43893-4 | MINI SCREW,X2 |
| 466 | YQ43893 | MINI SCREW |
| 467 | YQ44246 | SLIT WASHER |
| 468 | YDV2086R(CX) | DRUM ASSY |
| 469 | YQ43893 | MINI SCREW,X3 |
| 470 | LY20630-001A | PWB HOLDER |
| 471 | YQ43893 | MINI SCREW,X2 |
| 472 | LY10242-001A | SLIDE DECK ASSY |
| 473 | LY31833-001A | LOADING GUIDE |
| 474 | YQ43893 | MINI SCREW |
| 478 | LY31832-001D | DECK ASSY |
| 480 | LY41573-001A | WASHER |
| 481 | LY31867-001B | CASSETTE HOUSING ASSY |
| 482 | YQ43893-4 | MINI SCREW,X3 |

## 5.4 ELECTRONIC VIEWFINDER ASSEMBLY <M4>




| # ⚠ | REF No. | PART No. | PART NAME, DESCRIPTION |
|---|---|---|---|

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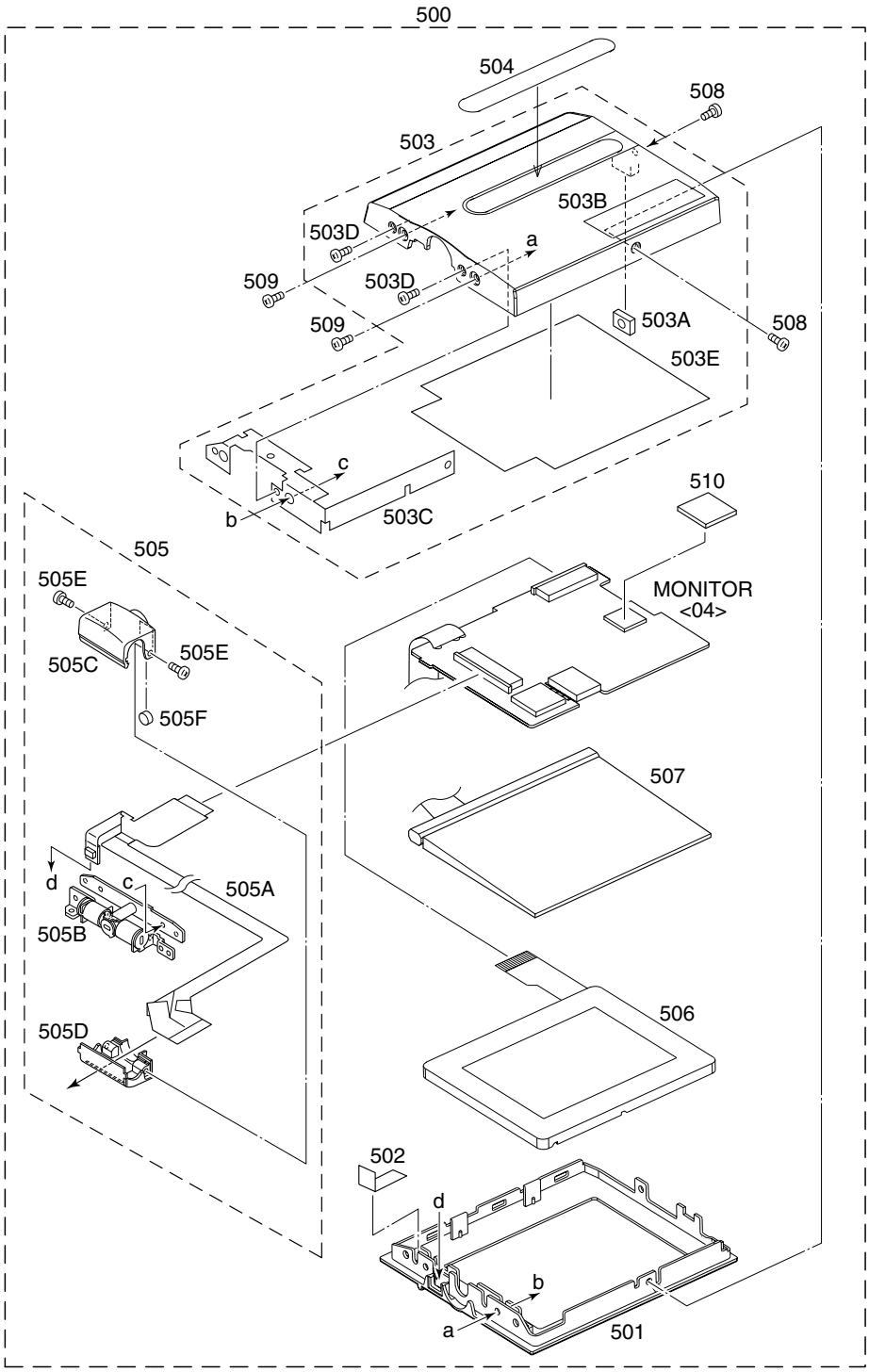
### ELECTRONIC VIEWFINDER ASSEMBLY <M4>

| | | | |
|---|---|---|---|
| | 300 | LYH20449-002A | B/W VF ASSY |
| | 301 | LY32609-001A | EYE CUP |
| | 302 | LY32472-001A | LENS ASSY |
| | 302A | LY43356-001A | LENS(A) |
| | 302B | LY43357-001A | LENS(B) |
| | 303 | LY32608-001B | CASE(VF) |
| | 304 | LY32607-001B | TUBE(VF) |
| | 305 | LY43424-001B | KNOB(VF) |
| | 306 | LY32606-001B | HOLDER(VF) |
| | 307 | LY43426-001A | COVER(VF) |
| | 308 | LY43427-001A | BRACKET ASSY |
| | 309 | LY30018-026A | SPECIAL SCREW |
| | 310 | LY43534-001A | LEVER(VF)ASSY |
| | 311 | LY30018-0D7A | SPECIAL SCREW |
| | 312 | LY43440-001A | BRACKET ASSY(L) |
| | 313 | LY30018-063A | SPECIAL SCREW,X2 |
| | 314 | LY43445-001B | SPRING(LOCK) |
| | 315 | LY30018-063A | SPECIAL SCREW,X2 |
| | 316 | LY43447-001A | SHEET |
| | 317 | LY43446-001A | SHEET2(POLA) |
| | 318 | LY32780-001A | HOLDER(LCD) |
| | 319 | QLD0193-001 | LCD MODULE |
| | 320 | LY43613-001B | SHEET(CUSHION) |
| | 321 | LY43448-001A | SHEET1(POLA) |
| | 322 | LY43449-001A | SHEET(DIFF) |
| | 323 | LY43444-001B | HOLDER(LED) |
| | 324 | LY30018-063A | SPECIAL SCREW,X2 |
| | 325 | QAL0401-001 | FPC |
| | 326 | LY43868-001A | SPRING(LENS) |
| | 327 | LY43867-001A | SHEET |
| | 328 | LY30030-003A | SPACER(A) |

### 5.5 MONITOR ASSEMBLY <M5>




| # | ⚠ | REF No. | PART No. | PART NAME, DESCRIPTION |
|---|---|---|---|---|

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**MONITOR ASSEMBLY <M5>**

| | | | | |
|---|---|---|---|---|
| | ⚠ | 500 | LYH20434-004B | MONITOR ASSY |
| | | 501 | LY20855-001C | MONITOR CASE |
| | | 502 | LY30029-0G5A | SPACER(A) |
| | ⚠ | 503 | LY32694-001B | MONITOR COVER ASSY |
| | | 503A | LY43497-001A | BRACKET |
| | | 503B | LY42883-001B | MARK |
| | | 503C | LY32658-001A | BRACKET(MONI) |
| | | 503D | QYSPSPT1720R | SCREW,X2 |
| | | 503E | LY43579-001A | SHEET(MONI) |
| | | 504 | LY43475-002A | WINDOW(MONI) |
| | | 505 | LY32765-001A | MONI FPC ASSY |
| | | 505A | LY32605-001A | FPC ASSY(MONI) |
| | | 505B | LY31701-001C | HINGE ASSY |
| | | 505C | LY32659-001A | HINGE COVER(U) |
| | | 505D | LY32660-001A | HINGE COVER(L) |
| | | 505E | LY30018-063A | SPECIAL SCREW,X2 |
| | | 505F | LY42355-001A | MAGNET |
| | | 506 | QLD0138-001 | LCD MODULE |
| | | 507 | QLL0132-001 | BACK LIGHT |
| | | 508 | QYSPSPT1730D | SCREW,X2 |
| | | 509 | LY30018-099A | SPECIAL SCREW,X2 |
| | | 510 | LY30030-015A | SPACER(A) |

## 5.6 ELECTRICAL PARTS LIST

| # ⚠ REF No. | PART No. | PART NAME, DESCRIPTION |
|---|---|---|
| ********** | | |

### MAIN BOARD ASSEMBLY <01>

| | | |
|---|---|---|
| PW | YB10374C-03 | MAIN BOARD ASSY |
| IC1001 | UPD703039F1-A43 | IC(MICRO C ROM) |
| | or UPD70F3040F1A43 | IC(MICRO C ROM) |
| IC1002 | RS5C314 | IC |
| IC1003 | X25330S8I-2.5-X | IC |
| | or 25LC640-I/SN-X | IC |
| | or AT25320N-10SI-X | IC |
| | or CAT25C32SI | IC |
| IC1004 | TC75S56FU | IC |
| IC1005 | TC7S00FU | IC |
| | or SN74AHC1G00K | IC |
| IC1006 | MB90097PFV145 | IC(MICRO C ROM) |
| IC1007 | SN74AHC1G08K | IC |
| IC1008 | IC-PST3423U-X | IC |
| IC1009 | TC7W08FU | IC(DIGITAL) |
| | or SN74AHC2G08T | IC |
| IC1401 | UPD703040YF-M10 | IC(MICRO C ROM) |
| | or UPD70F3040YFM10 | IC(MICRO C ROM) |
| IC2151 | AK4550VT | IC |
| IC3001 | JCY0152 | IC |
| IC3002 | BU2501FV | IC |
| IC3004 | SN74AHC1G04K | IC |
| IC3007 | JCY0174 | IC |
| IC3501 | JCY0132 | IC |
| IC3502 | SN74AHC1G04K | IC |
| IC3701 | BA7665FS | IC |
| IC3801 | JCP8055 | IC |
| IC4201 | HD49334AHF | IC |
| IC4202 | RH5RZ31CA | IC |
| IC4301 | JCY0160-2 | IC |
| IC4302 | R1160N151B | IC |
| IC4303 | MM1385NN | IC |
| IC4802 | TA75W01FU | IC |
| IC4803 | TA75W01FU | IC |
| IC4804 | LM358DR2 | IC |
| IC4851 | UPD16879GS | IC |
| IC5001 | CXD3602R | IC |
| IC5002 | W194-70G-X | IC |
| IC5003 | MM1385DN | IC |
| IC6001 | S-80842ANNP-W | IC |
| | or S-80842CNNB-W | IC |
| IC6002 | S-817A33ANB-W | IC |
| IC6101 | FA3698F | IC |
| IC8001 | TMS320DSC24GHK | IC |
| | or TMX320DSC24GHK | IC |
| IC8002 | K4S643232E-TC60 | IC |
| IC8003 | MBV160TE90PTA15 | IC(MICRO C ROM) |
| IC8004 | S-80842ANNP-W | IC |
| | or S-80842CNNB-W | IC |
| IC8006 | BU2288FV | IC |
| IC8301 | ISP1181ADGG | IC |
| Q1001 | DTC124EE | DIGI TRANSISTOR |
| | or UN9212J | DIGI TRANSISTOR |
| Q1002 | 2SC4617/QR/-X | TRANSISTOR |
| | or 2SD2216J/QR/-X | TRANSISTOR |
| Q1003 | DTC143EE | DIGI TRANSISTOR |
| | or UN921LJ | DIGI TRANSISTOR |
| Q1004 | DTC143XE | DIGI TRANSISTOR |
| Q1005 | 2SJ347 | MOS FET |
| Q1006 | UMC3N | DIGI TRANSISTOR |
| Q1007 | UMC3N | DIGI TRANSISTOR |
| Q1401 | DTA114EE | DIGI TRANSISTOR |
| | or PDTA114EE | DIGI TRANSISTOR |
| | or RN2102 | DIGI TRANSISTOR |
| | or UN9111J | DIGI TRANSISTOR |
| Q1402 | UMC3N | DIGI TRANSISTOR |
| Q1403 | UMC3N | DIGI TRANSISTOR |
| Q2701 | UMX1N | PAIR TRANSISTOR |
| | or PUMX1 | PAIR TRANSISTOR |
| Q2751 | UMX18N | PAIR TRANSISTOR |
| Q2752 | 2SC4617/QR/-X | TRANSISTOR |
| | or 2SD2216J/QR/-X | TRANSISTOR |
| Q3701 | UMT1N | PAIR TRANSISTOR |
| | or XP4401 | TRANSISTOR |
| Q3702 | UMZ1N | PAIR TRANSISTOR |
| | or XP4601 | TRANSISTOR |
| Q3703 | 2SA1774/RS/-X | TRANSISTOR |
| Q3704 | 2SA1774/RS/-X | TRANSISTOR |
| Q3705 | UMT1N | PAIR TRANSISTOR |
| | or XP4401 | TRANSISTOR |
| Q4801 | 2SC4655/BC/-X | TRANSISTOR |
| Q4802 | 2SC4617/RS/-X | TRANSISTOR |
| Q4803 | DTC144EE | DIGI TRANSISTOR |
| | or PDTC144EE | DIGI TRANSISTOR |
| | or RN1104 | DIGI TRANSISTOR |
| | or UN9213J | DIGI TRANSISTOR |
| Q4804 | DTA144EE | DIGI TRANSISTOR |
| | or PDTA144EE | DIGI TRANSISTOR |
| | or RN2104 | DIGI TRANSISTOR |
| | or UN9113J | DIGI TRANSISTOR |
| Q4805 | DTA143EE | DIGI TRANSISTOR |
| | or RN2101 | DIGI TRANSISTOR |
| | or UN911LJ | DIGI TRANSISTOR |
| Q4806 | 2SC4617/RS/-X | TRANSISTOR |
| Q4851 | 2SC4617/RS/-X | TRANSISTOR |
| Q6001 | DTC144EE | DIGI TRANSISTOR |
| | or PDTC144EE | DIGI TRANSISTOR |
| | or RN1104 | DIGI TRANSISTOR |
| | or UN9213J | DIGI TRANSISTOR |
| Q6002 | MCH6613 | MOS FET |
| Q6004 | 2SB1188/QR/-W | TRANSISTOR |
| Q6201 | MCH3308 | MOS FET |
| Q6202 | 2SA1577/RS/-X | TRANSISTOR |
| Q6203 | SSM5G01TU | MOS FET |
| Q6204 | MCH3308 | MOS FET |
| Q6205 | CPH3101 | TRANSISTOR |
| Q6206 | 2SC4617/RS/-X | TRANSISTOR |
| Q6208 | SSM5G01TU | MOS FET |
| Q6210 | SSM5G01TU | MOS FET |
| Q6211 | MCH3308 | MOS FET |
| Q6212 | HN1C01FU/G/-X | PAIR TRANSISTOR |
| | or PUMX1 | PAIR TRANSISTOR |
| | or UMX1N | PAIR TRANSISTOR |
| Q6213 | 2SA1577/RS/-X | TRANSISTOR |
| Q6214 | DTC144EE | DIGI TRANSISTOR |
| | or PDTC144EE | DIGI TRANSISTOR |
| | or RN1104 | DIGI TRANSISTOR |
| | or UN9213J | DIGI TRANSISTOR |
| Q6215 | HN1A01FU/G/-X | PAIR TRANSISTOR |
| | or PUMT1 | PAIR TRANSISTOR |
| | or UMT1N | PAIR TRANSISTOR |
| Q6216 | 2SC4617/RS/-X | TRANSISTOR |

| # ⚠ REF No. | PART No. | PART NAME, DESCRIPTION | |
|---|---|---|---|
| | Q6701 | CPH3314 | MOS FET |
| | Q8002 | 2SA1774/QR/-X | TRANSISTOR |
| | D1001 | DA221 | DIODE |
| | D1002 | 1SS376 | DIODE |
| | D3001 | EC2C01C | VARI CAP DIODE |
| | D3002 | EC2C01C | VARI CAP DIODE |
| | D3003 | EC2C01C | VARI CAP DIODE |
| | D3004 | MA2Z720 | SB DIODE |
| | D5001 | 1SS355 | DIODE |
| ⚠ | D6001 | RB706D-40-X | SB DIODE |
| ⚠ | D6002 | RB715F | SB DIODE |
| | D6201 | CRS01 | SB DIODE |
| | D6203 | CRS01 | SB DIODE |
| | D6206 | RB480Y | SB DIODE |
| | D6207 | UDZS9.1B | ZENER DIODE |
| | D6208 | RB480Y | SB DIODE |
| | D6701 | EP10HY03 | SB DIODE |
| | D6702 | EP10HY03 | SB DIODE |
| | D8001 | RB751V-40-X | SB DIODE |
| | R1001 | NRSA6AJ-104W | MG RESISTOR 100kΩ,1/16W |
| | R1002 | NRSA6AJ-224W | MG RESISTOR 220kΩ,1/16W |
| | R1003 | NRSA6AJ-472W | MG RESISTOR 4.7kΩ,1/16W |
| | R1004 | NRSA6AJ-103W | MG RESISTOR 10kΩ,1/16W |
| | R1005 | NRSA6AJ-153W | MG RESISTOR 15kΩ,1/16W |
| | R1006 | NRSA6AJ-103W | MG RESISTOR 10kΩ,1/16W |
| | R1007 | NRSA6AJ-334W | MG RESISTOR 330kΩ,1/16W |
| | R1008 | NRSA6AJ-102W | MG RESISTOR 1kΩ,1/16W |
| | R1009 | NRSA6AJ-181W | MG RESISTOR 180Ω,1/16W |
| | R1010 | NRSA6AJ-561W | MG RESISTOR 560Ω,1/16W |
| | R1015 | NRSA6AJ-474W | MG RESISTOR 470kΩ,1/16W |
| | R1018 | NRSA6AJ-103W | MG RESISTOR 10kΩ,1/16W |
| | R1019 | NRSA6AJ-623W | MG RESISTOR 62kΩ,1/16W |
| | R1020 | NRSA6AJ-331W | MG RESISTOR 330Ω,1/16W |
| | R1021 | NRSA6AJ-331W | MG RESISTOR 330Ω,1/16W |
| | R1022 | NRSA6AJ-331W | MG RESISTOR 330Ω,1/16W |
| | R1023 | NRSA6AJ-103W | MG RESISTOR 10kΩ,1/16W |
| | R1024 | NRSA6AJ-823W | MG RESISTOR 82kΩ,1/16W |
| | R1026 | NRSA6AJ-472W | MG RESISTOR 4.7kΩ,1/16W |
| | R1027 | NRSA6AJ-104W | MG RESISTOR 100kΩ,1/16W |
| | R1028 | NRSA6AJ-185W | MG RESISTOR 1.8MΩ,1/16W |
| | R1029 | NRSA6AJ-473W | MG RESISTOR 47kΩ,1/16W |
| | R1030 | NRSA6AJ-104W | MG RESISTOR 100kΩ,1/16W |
| | R1031 | NRSA6AJ-102W | MG RESISTOR 1kΩ,1/16W |
| | R1032 | NRSA6AJ-104W | MG RESISTOR 100kΩ,1/16W |
| | R1033 | NRSA6AJ-103W | MG RESISTOR 10kΩ,1/16W |
| | R1034 | NRSA6AJ-103W | MG RESISTOR 10kΩ,1/16W |
| | R1035 | NRSA6AJ-473W | MG RESISTOR 47kΩ,1/16W |
| | R1036 | NRSA6AJ-102W | MG RESISTOR 1kΩ,1/16W |
| | R1037 | NRSA6AJ-103W | MG RESISTOR 10kΩ,1/16W |
| | R1038 | NRSA6AJ-104W | MG RESISTOR 100kΩ,1/16W |
| | R1039 | NRSA6AJ-103W | MG RESISTOR 10kΩ,1/16W |
| | R1044 | NRSA6AJ-123W | MG RESISTOR 12kΩ,1/16W |
| | R1045 | NRSA6AJ-822W | MG RESISTOR 8.2kΩ,1/16W |
| | R1046 | NRSA6AJ-103W | MG RESISTOR 10kΩ,1/16W |
| | R1047 | NRSA6AJ-473W | MG RESISTOR 47kΩ,1/16W |
| | R1048 | NRSA6AJ-104W | MG RESISTOR 100kΩ,1/16W |
| | R1049 | NRSA6AJ-393W | MG RESISTOR 39kΩ,1/16W |
| | R1050 | NRSA6AJ-223W | MG RESISTOR 22kΩ,1/16W |
| | R1051 | NRSA6AJ-272W | MG RESISTOR 2.7kΩ,1/16W |
| | R1052 | NRSA6AJ-183W | MG RESISTOR 18kΩ,1/16W |
| | R1053 | NRSA6AJ-154W | MG RESISTOR 150kΩ,1/16W |
| | R1054 | NRSA6AJ-473W | MG RESISTOR 47kΩ,1/16W |
| | R1055 | NRSA6AJ-103W | MG RESISTOR 10kΩ,1/16W |
| | R1056 | NRSA6AJ-472W | MG RESISTOR 4.7kΩ,1/16W |
| | R1057 | NRSA6AJ-473W | MG RESISTOR 47kΩ,1/16W |
| | R1058 | NRSA6AJ-222W | MG RESISTOR 2.2kΩ,1/16W |
| | R1060 | NRSA6AJ-473W | MG RESISTOR 47kΩ,1/16W |
| | R1061 | NRSA6AJ-473W | MG RESISTOR 47kΩ,1/16W |
| | R1066 | NRSA6AJ-473W | MG RESISTOR 47kΩ,1/16W |
| | R1071 | NRSA6AJ-474W | MG RESISTOR 470kΩ,1/16W |
| | R1072 | NRSA6AJ-104W | MG RESISTOR 100kΩ,1/16W |
| | R1076 | NRSA6AJ-0R0W | MG RESISTOR 0Ω,1/16W |
| | R1077 | NRSA6AJ-0R0W | MG RESISTOR 0Ω,1/16W |
| | R1078 | NRSA6AJ-102W | MG RESISTOR 1kΩ,1/16W |
| | R1079 | NRSA6AJ-102W | MG RESISTOR 1kΩ,1/16W |
| | R1080 | NRSA6AJ-102W | MG RESISTOR 1kΩ,1/16W |
| | R1081 | NRSA6AJ-103W | MG RESISTOR 10kΩ,1/16W |
| | R1082 | NRSA6AJ-103W | MG RESISTOR 10kΩ,1/16W |
| | R1083 | NRSA6AJ-103W | MG RESISTOR 10kΩ,1/16W |
| | R1084 | NRSA6AJ-0R0W | MG RESISTOR 0Ω,1/16W |
| | R1085 | NRSA6AJ-0R0W | MG RESISTOR 0Ω,1/16W |
| | R1401 | NRSA6AJ-105W | MG RESISTOR 1MΩ,1/16W |
| | R1402 | NRSA6AJ-102W | MG RESISTOR 1kΩ,1/16W |
| | R1403 | NRSA6AJ-103W | MG RESISTOR 10kΩ,1/16W |
| | R1404 | NRSA6AJ-472W | MG RESISTOR 4.7kΩ,1/16W |
| | R1405 | NRSA6AJ-332W | MG RESISTOR 3.3kΩ,1/16W |
| | R1406 | NRSA6AJ-332W | MG RESISTOR 3.3kΩ,1/16W |
| | R1407 | NRSA6AJ-332W | MG RESISTOR 3.3kΩ,1/16W |
| | R1408 | NRSA6AD-753W | MG RESISTOR 75kΩ,1/16W |
| | R1409 | NRSA6AJ-334W | MG RESISTOR 330kΩ,1/16W |
| | R1411 | NRSA6AJ-332W | MG RESISTOR 3.3kΩ,1/16W |
| | R1412 | NRSA6AJ-332W | MG RESISTOR 3.3kΩ,1/16W |
| | R1413 | NRSA6AJ-332W | MG RESISTOR 3.3kΩ,1/16W |
| | R1414 | NRSA6AJ-332W | MG RESISTOR 3.3kΩ,1/16W |
| | R1415 | NRSA6AJ-472W | MG RESISTOR 4.7kΩ,1/16W |
| | R1416 | NRSA6AJ-472W | MG RESISTOR 4.7kΩ,1/16W |
| | R1417 | NRSA6AJ-101W | MG RESISTOR 100Ω,1/16W |
| | R1421 | NRSA6AJ-103W | MG RESISTOR 10kΩ,1/16W |
| | R1422 | NRSA6AJ-153W | MG RESISTOR 15kΩ,1/16W |
| | R1423 | NRSA6AJ-820W | MG RESISTOR 82Ω,1/16W |
| | R1425 | NRSA6AJ-473W | MG RESISTOR 47kΩ,1/16W |
| | R2151 | NRSA6AJ-471W | MG RESISTOR 470Ω,1/16W |
| | R2152 | NRSA6AJ-471W | MG RESISTOR 470Ω,1/16W |
| | R2153 | NRSA6AJ-0R0W | MG RESISTOR 0Ω,1/16W |
| | R2701 | NRSA6AJ-821W | MG RESISTOR 820Ω,1/16W |
| | R2702 | NRSA6AJ-821W | MG RESISTOR 820Ω,1/16W |
| | R2703 | NRSA6AJ-564W | MG RESISTOR 560kΩ,1/16W |
| | R2704 | NRSA6AJ-564W | MG RESISTOR 560kΩ,1/16W |
| | R2705 | NRSA6AJ-332W | MG RESISTOR 3.3kΩ,1/16W |
| | R2751 | NRSA6AJ-151W | MG RESISTOR 150Ω,1/16W |
| | R2752 | NRSA6AJ-151W | MG RESISTOR 150Ω,1/16W |
| | R2753 | NRSA6AJ-103W | MG RESISTOR 10kΩ,1/16W |
| | R2754 | NRSA6AJ-103W | MG RESISTOR 10kΩ,1/16W |
| | R2755 | NRSA6AJ-332W | MG RESISTOR 3.3kΩ,1/16W |
| | R2756 | NRSA6AJ-103W | MG RESISTOR 10kΩ,1/16W |
| | R2757 | NRSA6AJ-103W | MG RESISTOR 10kΩ,1/16W |
| | R2758 | NRSA6AJ-103W | MG RESISTOR 10kΩ,1/16W |
| | R2759 | NRSA6AJ-103W | MG RESISTOR 10kΩ,1/16W |
| | R3002 | NRSA6AJ-103W | MG RESISTOR 10kΩ,1/16W |
| | R3003 | NRSA6AJ-105W | MG RESISTOR 1MΩ,1/16W |
| | R3004 | NRSA6AJ-103W | MG RESISTOR 10kΩ,1/16W |
| | R3005 | NRSA6AJ-100W | MG RESISTOR 10Ω,1/16W |
| | R3006 | NRSA6AJ-100W | MG RESISTOR 10Ω,1/16W |
| | R3007 | NRSA6AJ-562W | MG RESISTOR 5.6kΩ,1/16W |
| | R3008 | NRSA6AJ-222W | MG RESISTOR 2.2kΩ,1/16W |
| | R3009 | NRSA6AJ-103W | MG RESISTOR 10kΩ,1/16W |

| # ⚠ REF No. | PART No. | PART NAME, DESCRIPTION | |
|---|---|---|---|
| R3010 | NRSA6AJ-103W | MG RESISTOR | 10kΩ,1/16W |
| R3011 | NRSA6AJ-224W | MG RESISTOR | 220kΩ,1/16W |
| R3013 | NRSA6AJ-242W | MG RESISTOR | 2.4kΩ,1/16W |
| R3014 | NRSA6AJ-392W | MG RESISTOR | 3.9kΩ,1/16W |
| R3015 | NRSA6AJ-392W | MG RESISTOR | 3.9kΩ,1/16W |
| R3016 | NRVA6AD-560W | CMF RESISTOR | 56Ω,1/16W |
| R3017 | NRVA6AD-560W | CMF RESISTOR | 56Ω,1/16W |
| R3018 | NRVA6AD-560W | CMF RESISTOR | 56Ω,1/16W |
| R3019 | NRVA6AD-560W | CMF RESISTOR | 56Ω,1/16W |
| R3020 | NRVA6AD-512W | CMF RESISTOR | 5.1kΩ,1/16W |
| R3027 | NRSA6AJ-103W | MG RESISTOR | 10kΩ,1/16W |
| R3029 | NRSA6AJ-682W | MG RESISTOR | 6.8kΩ,1/16W |
| R3030 | NRSA6AJ-224W | MG RESISTOR | 220kΩ,1/16W |
| R3031 | NRSA6AJ-224W | MG RESISTOR | 220kΩ,1/16W |
| R3032 | NRSA6AJ-105W | MG RESISTOR | 1MΩ,1/16W |
| R3033 | NRSA6AJ-103W | MG RESISTOR | 10kΩ,1/16W |
| R3034 | NRSA6AJ-222W | MG RESISTOR | 2.2kΩ,1/16W |
| R3036 | NRSA6AJ-103W | MG RESISTOR | 10kΩ,1/16W |
| R3037 | NRSA6AJ-681W | MG RESISTOR | 680Ω,1/16W |
| R3040 | NRSA6AJ-222W | MG RESISTOR | 2.2kΩ,1/16W |
| R3041 | NRSA6AJ-561W | MG RESISTOR | 560Ω,1/16W |
| R3042 | NRSA6AJ-561W | MG RESISTOR | 560Ω,1/16W |
| R3043 | NRSA6AJ-122W | MG RESISTOR | 1.2kΩ,1/16W |
| R3044 | NRSA6AJ-152W | MG RESISTOR | 1.5kΩ,1/16W |
| R3045 | NRSA6AJ-123W | MG RESISTOR | 12kΩ,1/16W |
| R3046 | NRSA6AJ-823W | MG RESISTOR | 82kΩ,1/16W |
| R3049 | NRSA6AJ-100W | MG RESISTOR | 10Ω,1/16W |
| R3057 | NRSA6AJ-100W | MG RESISTOR | 10Ω,1/16W |
| R3059 | NRSA6AJ-101W | MG RESISTOR | 100Ω,1/16W |
| R3501 | NRSA6AJ-471W | MG RESISTOR | 470Ω,1/16W |
| R3502 | NRSA6AJ-104W | MG RESISTOR | 100kΩ,1/16W |
| R3503 | NRSA6AJ-102W | MG RESISTOR | 1kΩ,1/16W |
| R3504 | NRSA6AD-241W | MG RESISTOR | 240Ω,1/16W |
| R3505 | NRSA6AD-241W | MG RESISTOR | 240Ω,1/16W |
| R3506 | NRSA6AD-241W | MG RESISTOR | 240Ω,1/16W |
| R3507 | NRSA6AD-241W | MG RESISTOR | 240Ω,1/16W |
| R3508 | NRSA6AJ-223W | MG RESISTOR | 22kΩ,1/16W |
| R3511 | NRSA6AJ-101W | MG RESISTOR | 100Ω,1/16W |
| R3521 | NRSA6AJ-0R0W | MG RESISTOR | 0Ω,1/16W |
| R3522 | NRSA6AJ-0R0W | MG RESISTOR | 0Ω,1/16W |
| R3701 | NRSA6AD-271W | MG RESISTOR | 270Ω,1/16W |
| R3702 | NRSA6AD-271W | MG RESISTOR | 270Ω,1/16W |
| R3703 | NRSA6AJ-332W | MG RESISTOR | 3.3kΩ,1/16W |
| R3704 | NRSA6AD-301W | MG RESISTOR | 300Ω,1/16W |
| R3705 | NRSA6AD-301W | MG RESISTOR | 300Ω,1/16W |
| R3706 | NRSA6AJ-332W | MG RESISTOR | 3.3kΩ,1/16W |
| R3707 | NRSA6AD-680W | MG RESISTOR | 68Ω,1/16W |
| R3708 | NRSA6AJ-0R0W | MG RESISTOR | 0Ω,1/16W |
| R3710 | NRSA6AJ-103W | MG RESISTOR | 10kΩ,1/16W |
| R3711 | NRSA6AJ-103W | MG RESISTOR | 10kΩ,1/16W |
| R3712 | NRSA6AJ-105W | MG RESISTOR | 1MΩ,1/16W |
| R3713 | NRSA6AJ-104W | MG RESISTOR | 100kΩ,1/16W |
| R3714 | NRSA6AJ-823W | MG RESISTOR | 82kΩ,1/16W |
| R3715 | NRSA6AJ-103W | MG RESISTOR | 10kΩ,1/16W |
| R3721 | NRSA6AD-151W | MG RESISTOR | 150Ω,1/16W |
| R3722 | NRSA6AD-131W | MG RESISTOR | 130Ω,1/16W |
| R3723 | NRSA6AJ-332W | MG RESISTOR | 3.3kΩ,1/16W |
| R3724 | NRSA6AJ-472W | MG RESISTOR | 4.7kΩ,1/16W |
| R3725 | NRSA6AD-131W | MG RESISTOR | 130Ω,1/16W |
| R3726 | NRSA6AJ-472W | MG RESISTOR | 4.7kΩ,1/16W |
| R3727 | NRSA6AJ-472W | MG RESISTOR | 4.7kΩ,1/16W |
| R3728 | NRSA6AD-131W | MG RESISTOR | 130Ω,1/16W |
| R3730 | NRSA6AJ-472W | MG RESISTOR | 4.7kΩ,1/16W |

| # ⚠ REF No. | PART No. | PART NAME, DESCRIPTION | |
|---|---|---|---|
| R3801 | NRSA6AJ-101W | MG RESISTOR | 100Ω,1/16W |
| R3802 | NRSA6AD-821W | MG RESISTOR | 820Ω,1/16W |
| R3803 | NRSA6AD-273W | MG RESISTOR | 27kΩ,1/16W |
| R3804 | NRSA6AD-153W | MG RESISTOR | 15kΩ,1/16W |
| R3805 | NRSA6AD-821W | MG RESISTOR | 820Ω,1/16W |
| R3808 | NRSA6AJ-0R0W | MG RESISTOR | 0Ω,1/16W |
| R4201 | NRSA6AJ-0R0W | MG RESISTOR | 0Ω,1/16W |
| R4203 | NRSA6AJ-333W | MG RESISTOR | 33kΩ,1/16W |
| R4204 | NRSA6AJ-221W | MG RESISTOR | 220Ω,1/16W |
| R4205 | NRSA6AJ-221W | MG RESISTOR | 220Ω,1/16W |
| R4301 | NRSA6AJ-331W | MG RESISTOR | 330Ω,1/16W |
| R4303 | NRSA6AJ-220W | MG RESISTOR | 22Ω,1/16W |
| R4304 | NRSA6AJ-220W | MG RESISTOR | 22Ω,1/16W |
| R4305 | NRSA6AJ-101W | MG RESISTOR | 100Ω,1/16W |
| R4306 | NRSA6AJ-470W | MG RESISTOR | 47Ω,1/16W |
| R4307 | NRSA6AJ-470W | MG RESISTOR | 47Ω,1/16W |
| R4308 | NRSA6AJ-0R0W | MG RESISTOR | 0Ω,1/16W |
| R4309 | NRSA6AJ-101W | MG RESISTOR | 100Ω,1/16W |
| R4310 | NRSA6AJ-101W | MG RESISTOR | 100Ω,1/16W |
| R4311 | NRSA6AJ-101W | MG RESISTOR | 100Ω,1/16W |
| R4312 | NRSA6AJ-101W | MG RESISTOR | 100Ω,1/16W |
| R4313 | NRSA6AJ-101W | MG RESISTOR | 100Ω,1/16W |
| R4315 | NRSA6AJ-0R0W | MG RESISTOR | 0Ω,1/16W |
| R4317 | NRSA6AJ-0R0W | MG RESISTOR | 0Ω,1/16W |
| R4320 | NRSA6AJ-0R0W | MG RESISTOR | 0Ω,1/16W |
| R4321 | NRSA6AJ-0R0W | MG RESISTOR | 0Ω,1/16W |
| R4322 | NRSA6AJ-0R0W | MG RESISTOR | 0Ω,1/16W |
| R4323 | NRSA6AJ-0R0W | MG RESISTOR | 0Ω,1/16W |
| R4804 | NRSA6AJ-681W | MG RESISTOR | 680Ω,1/16W |
| R4805 | NRSA6AJ-103W | MG RESISTOR | 10kΩ,1/16W |
| R4806 | NRSA6AJ-683W | MG RESISTOR | 68kΩ,1/16W |
| R4807 | NRSA6AJ-563W | MG RESISTOR | 56kΩ,1/16W |
| R4808 | NRSA6AJ-243W | MG RESISTOR | 24kΩ,1/16W |
| R4809 | NRSA6AJ-561W | MG RESISTOR | 560Ω,1/16W |
| R4810 | NRSA6AJ-103W | MG RESISTOR | 10kΩ,1/16W |
| R4811 | NRSA6AJ-684W | MG RESISTOR | 680kΩ,1/16W |
| R4812 | NRSA6AJ-153W | MG RESISTOR | 15kΩ,1/16W |
| R4814 | NRSA6AJ-105W | MG RESISTOR | 1MΩ,1/16W |
| R4815 | NRSA6AJ-472W | MG RESISTOR | 4.7kΩ,1/16W |
| R4816 | NRSA6AJ-105W | MG RESISTOR | 1MΩ,1/16W |
| R4817 | NRSA6AJ-334W | MG RESISTOR | 330kΩ,1/16W |
| R4818 | NRSA6AJ-154W | MG RESISTOR | 150kΩ,1/16W |
| R4819 | NRSA6AJ-103W | MG RESISTOR | 10kΩ,1/16W |
| R4820 | NRSA6AJ-104W | MG RESISTOR | 100kΩ,1/16W |
| R4821 | NRSA6AJ-104W | MG RESISTOR | 100kΩ,1/16W |
| R4822 | NRSA6AJ-333W | MG RESISTOR | 33kΩ,1/16W |
| R4823 | NRSA6AJ-102W | MG RESISTOR | 1kΩ,1/16W |
| R4824 | NRSA6AJ-472W | MG RESISTOR | 4.7kΩ,1/16W |
| R4825 | NRSA6AJ-222W | MG RESISTOR | 2.2kΩ,1/16W |
| R4826 | NRSA6AJ-473W | MG RESISTOR | 47kΩ,1/16W |
| R4827 | NRSA6AJ-0R0W | MG RESISTOR | 0Ω,1/16W |
| R4828 | NRSA6AJ-0R0W | MG RESISTOR | 0Ω,1/16W |
| R4833 | NRSA6AJ-104W | MG RESISTOR | 100kΩ,1/16W |
| R4836 | NRSA6AJ-0R0W | MG RESISTOR | 0Ω,1/16W |
| R4837 | NRSA6AJ-0R0W | MG RESISTOR | 0Ω,1/16W |
| R4841 | NRSA6AJ-0R0W | MG RESISTOR | 0Ω,1/16W |
| R4842 | NRSA6AJ-0R0W | MG RESISTOR | 0Ω,1/16W |
| R4843 | NRSA6AJ-0R0W | MG RESISTOR | 0Ω,1/16W |
| R4844 | NRSA6AJ-151W | MG RESISTOR | 150Ω,1/16W |
| R4846 | NRSA6AJ-0R0W | MG RESISTOR | 0Ω,1/16W |
| R4854 | NRSA6AJ-0R0W | MG RESISTOR | 0Ω,1/16W |
| R4856 | NRSA63J-6R8X | MG RESISTOR | 6.8Ω,1/16W |
| R4857 | NRSA63J-6R8X | MG RESISTOR | 6.8Ω,1/16W |

| # ⚠ REF No. | PART No. | PART NAME, DESCRIPTION | |
|---|---|---|---|
| R4858 | NRSA6AJ-333W | MG RESISTOR | 33kΩ,1/16W |
| R4859 | NRSA6AJ-0R0W | MG RESISTOR | 0Ω,1/16W |
| R4860 | NRSA6AJ-0R0W | MG RESISTOR | 0Ω,1/16W |
| R4862 | NRSA63J-6R8X | MG RESISTOR | 6.8Ω,1/16W |
| R4863 | NRSA63J-6R8X | MG RESISTOR | 6.8Ω,1/16W |
| R4864 | NRSA6AJ-102W | MG RESISTOR | 1kΩ,1/16W |
| R4865 | NRSA6AJ-102W | MG RESISTOR | 1kΩ,1/16W |
| R4866 | NRSA6AJ-102W | MG RESISTOR | 1kΩ,1/16W |
| R4867 | NRSA6AJ-102W | MG RESISTOR | 1kΩ,1/16W |
| R4868 | NRSA6AJ-0R0W | MG RESISTOR | 0Ω,1/16W |
| R4870 | NRSA6AJ-271W | MG RESISTOR | 270Ω,1/16W |
| R4871 | NRSA6AJ-0R0W | MG RESISTOR | 0Ω,1/16W |
| R4874 | NRSA6AJ-0R0W | MG RESISTOR | 0Ω,1/16W |
| R5001 | NRSA6AJ-104W | MG RESISTOR | 100kΩ,1/16W |
| R5002 | NRSA6AJ-100W | MG RESISTOR | 10Ω,1/16W |
| R5003 | NRSA6AJ-220W | MG RESISTOR | 22Ω,1/16W |
| R5004 | NRSA6AJ-100W | MG RESISTOR | 10Ω,1/16W |
| R5005 | NRSA6AJ-100W | MG RESISTOR | 10Ω,1/16W |
| R5006 | NRSA6AJ-100W | MG RESISTOR | 10Ω,1/16W |
| R5009 | NRSA6AJ-100W | MG RESISTOR | 10Ω,1/16W |
| R5010 | NRSA6AJ-100W | MG RESISTOR | 10Ω,1/16W |
| R5017 | NRSA6AJ-0R0W | MG RESISTOR | 0Ω,1/16W |
| R5020 | NRSA6AJ-100W | MG RESISTOR | 10Ω,1/16W |
| R6001 | NRSA6AJ-104W | MG RESISTOR | 100kΩ,1/16W |
| R6002 | NRSA6AJ-104W | MG RESISTOR | 100kΩ,1/16W |
| R6003 | NRSA6AJ-224W | MG RESISTOR | 220kΩ,1/16W |
| R6004 | NRSA6AJ-183W | MG RESISTOR | 18kΩ,1/16W |
| R6005 | NRSA6AJ-104W | MG RESISTOR | 100kΩ,1/16W |
| ⚠ R6008 | NRSA63J-471X | MG RESISTOR | 470Ω,1/16W |
| ⚠ R6009 | NRSA63J-102X | MG RESISTOR | 1kΩ,1/16W |
| R6010 | NRSA6AJ-473W | MG RESISTOR | 47kΩ,1/16W |
| R6011 | NRSA6AJ-102W | MG RESISTOR | 1kΩ,1/16W |
| R6012 | NRSA6AD-104W | MG RESISTOR | 100kΩ,1/16W |
| R6013 | NRVA6AD-683W | CMF RESISTOR | 68kΩ,1/16W |
| R6101 | NRSA6AD-103W | MG RESISTOR | 10kΩ,1/16W |
| R6102 | NRSA6AD-471W | MG RESISTOR | 470Ω,1/16W |
| R6103 | NRSA6AD-622W | MG RESISTOR | 6.2kΩ,1/16W |
| R6106 | NRSA6AJ-333W | MG RESISTOR | 33kΩ,1/16W |
| R6107 | NRSA6AD-562W | MG RESISTOR | 5.6kΩ,1/16W |
| R6108 | NRSA6AJ-223W | MG RESISTOR | 22kΩ,1/16W |
| R6113 | NRSA6AJ-472W | MG RESISTOR | 4.7kΩ,1/16W |
| R6114 | NRSA6AJ-823W | MG RESISTOR | 82kΩ,1/16W |
| R6115 | NRSA6AJ-823W | MG RESISTOR | 82kΩ,1/16W |
| R6116 | NRSA6AD-153W | MG RESISTOR | 15kΩ,1/16W |
| R6117 | NRSA6AJ-0R0W | MG RESISTOR | 0Ω,1/16W |
| R6118 | NRSA6AJ-102W | MG RESISTOR | 1kΩ,1/16W |
| R6124 | NRSA6AJ-102W | MG RESISTOR | 1kΩ,1/16W |
| R6201 | NRSA6AD-223W | MG RESISTOR | 22kΩ,1/16W |
| R6202 | NRSA6AJ-474W | MG RESISTOR | 470kΩ,1/16W |
| R6203 | NRSA6AD-103W | MG RESISTOR | 10kΩ,1/16W |
| R6204 | NRSA6AJ-473W | MG RESISTOR | 47kΩ,1/16W |
| R6205 | NRSA6AJ-102W | MG RESISTOR | 1kΩ,1/16W |
| R6206 | NRSA6AD-183W | MG RESISTOR | 18kΩ,1/16W |
| R6207 | NRSA6AD-123W | MG RESISTOR | 12kΩ,1/16W |
| R6208 | NRSA6AD-123W | MG RESISTOR | 12kΩ,1/16W |
| R6209 | NRSA6AD-153W | MG RESISTOR | 15kΩ,1/16W |
| R6210 | NRSA6AD-183W | MG RESISTOR | 18kΩ,1/16W |
| R6212 | NRSA6AD-472W | MG RESISTOR | 4.7kΩ,1/16W |
| R6213 | NRSA6AJ-103W | MG RESISTOR | 10kΩ,1/16W |
| R6214 | NRSA6AJ-152W | MG RESISTOR | 1.5kΩ,1/16W |
| R6215 | NRSA6AJ-473W | MG RESISTOR | 47kΩ,1/16W |
| R6219 | NRSA6AD-243W | MG RESISTOR | 24kΩ,1/16W |
| R6220 | NRSA6AD-302W | MG RESISTOR | 3kΩ,1/16W |

| # ⚠ REF No. | PART No. | PART NAME, DESCRIPTION | |
|---|---|---|---|
| R6221 | NRSA6AD-104W | MG RESISTOR | 100kΩ,1/16W |
| R6222 | NRSA6AD-103W | MG RESISTOR | 10kΩ,1/16W |
| R6223 | NRSA6AD-123W | MG RESISTOR | 12kΩ,1/16W |
| R6224 | NRSA6AD-473W | MG RESISTOR | 47kΩ,1/16W |
| R6225 | NRSA6AD-562W | MG RESISTOR | 5.6kΩ,1/16W |
| R6226 | NRSA6AD-223W | MG RESISTOR | 22kΩ,1/16W |
| R6227 | NRSA6AD-473W | MG RESISTOR | 47kΩ,1/16W |
| R6228 | NRSA6AD-473W | MG RESISTOR | 47kΩ,1/16W |
| R6229 | NRSA6AD-332W | MG RESISTOR | 3.3kΩ,1/16W |
| R6230 | NRSA6AJ-272W | MG RESISTOR | 2.7kΩ,1/16W |
| R6231 | NRSA6AD-104W | MG RESISTOR | 100kΩ,1/16W |
| R6232 | NRSA6AD-473W | MG RESISTOR | 47kΩ,1/16W |
| R6233 | NRSA6AJ-822W | MG RESISTOR | 8.2kΩ,1/16W |
| R6234 | NRSA6AJ-273W | MG RESISTOR | 27kΩ,1/16W |
| R6235 | NRSA6AD-683W | MG RESISTOR | 68kΩ,1/16W |
| R6236 | NRSA6AD-473W | MG RESISTOR | 47kΩ,1/16W |
| R6237 | NRSA6AD-823W | MG RESISTOR | 82kΩ,1/16W |
| R6238 | NRSA6AD-104W | MG RESISTOR | 100kΩ,1/16W |
| R6239 | NRSA6AJ-103W | MG RESISTOR | 10kΩ,1/16W |
| R6240 | NRSA6AJ-333W | MG RESISTOR | 33kΩ,1/16W |
| R6241 | NRSA6AJ-102W | MG RESISTOR | 1kΩ,1/16W |
| R6242 | NRSA6AJ-104W | MG RESISTOR | 100kΩ,1/16W |
| R6243 | NRSA6AJ-823W | MG RESISTOR | 82kΩ,1/16W |
| R6701 | NRZ0058-R20X | MG RESISTOR | 0.2Ω,1/2W |
| R6702 | NRSA6AD-104W | MG RESISTOR | 100kΩ,1/16W |
| R6703 | NRSA6AD-123W | MG RESISTOR | 12kΩ,1/16W |
| R6704 | NRSA6AD-823W | MG RESISTOR | 82kΩ,1/16W |
| R6705 | NRSA6AD-333W | MG RESISTOR | 33kΩ,1/16W |
| R8001 | NRSA6AJ-103W | MG RESISTOR | 10kΩ,1/16W |
| R8002 | NRSA6AJ-103W | MG RESISTOR | 10kΩ,1/16W |
| R8003 | NRSA6AJ-103W | MG RESISTOR | 10kΩ,1/16W |
| R8005 | NRSA6AJ-0R0W | MG RESISTOR | 0Ω,1/16W |
| R8006 | NRSA6AJ-153W | MG RESISTOR | 15kΩ,1/16W |
| R8007 | NRSA6AJ-472W | MG RESISTOR | 4.7kΩ,1/16W |
| R8009 | NRSA6AJ-472W | MG RESISTOR | 4.7kΩ,1/16W |
| R8016 | NRSA6AJ-103W | MG RESISTOR | 10kΩ,1/16W |
| R8017 | NRSA6AJ-103W | MG RESISTOR | 10kΩ,1/16W |
| R8022 | NRSA6AJ-105W | MG RESISTOR | 1MΩ,1/16W |
| R8025 | NRSA6AJ-0R0W | MG RESISTOR | 0Ω,1/16W |
| R8030 | NRSA6AJ-0R0W | MG RESISTOR | 0Ω,1/16W |
| R8031 | NRSA6AJ-0R0W | MG RESISTOR | 0Ω,1/16W |
| R8032 | NRSA6AJ-0R0W | MG RESISTOR | 0Ω,1/16W |
| R8034 | NRSA6AJ-0R0W | MG RESISTOR | 0Ω,1/16W |
| R8037 | NRSA6AJ-103W | MG RESISTOR | 10kΩ,1/16W |
| R8038 | NRSA6AJ-0R0W | MG RESISTOR | 0Ω,1/16W |
| R8043 | NRSA6AJ-0R0W | MG RESISTOR | 0Ω,1/16W |
| R8046 | NRSA6AJ-0R0W | MG RESISTOR | 0Ω,1/16W |
| R8056 | NRSA6AJ-0R0W | MG RESISTOR | 0Ω,1/16W |
| R8063 | NRSA6AJ-220W | MG RESISTOR | 22Ω,1/16W |
| R8065 | NRSA6AJ-0R0W | MG RESISTOR | 0Ω,1/16W |
| R8066 | NRSA6AJ-473W | MG RESISTOR | 47kΩ,1/16W |
| R8068 | NRSA6AJ-561W | MG RESISTOR | 560Ω,1/16W |
| R8070 | NRSA6AJ-220W | MG RESISTOR | 22Ω,1/16W |
| R8074 | NRSA6AJ-473W | MG RESISTOR | 47kΩ,1/16W |
| R8075 | NRSA6AJ-102W | MG RESISTOR | 1kΩ,1/16W |
| R8302 | NRS181J-220X | MG RESISTOR | 22Ω,1/8W |
| R8303 | NRS181J-220X | MG RESISTOR | 22Ω,1/8W |
| R8305 | NRSA6AJ-105W | MG RESISTOR | 1MΩ,1/16W |
| R8306 | NRSA6AJ-103W | MG RESISTOR | 10kΩ,1/16W |
| R8307 | NRSA6AJ-103W | MG RESISTOR | 10kΩ,1/16W |
| R8308 | NRSA6AJ-103W | MG RESISTOR | 10kΩ,1/16W |
| R8309 | NRSA6AJ-103W | MG RESISTOR | 10kΩ,1/16W |
| R8312 | NRSA6AJ-0R0W | MG RESISTOR | 0Ω,1/16W |

| # ⚠ REF No. | PART No. | PART NAME, DESCRIPTION | |
|---|---|---|---|
| RA1008 | NRZ0034-104W | NETWORK RESISTOR | 100kΩ |
| RA1009 | NRZ0034-104W | NETWORK RESISTOR | 100kΩ |
| RA1010 | NRZ0034-104W | NETWORK RESISTOR | 100kΩ |
| RA1401 | NRZ0034-473W | NETWORK RESISTOR | 47kΩ |
| RA3001 | NRZ0034-470W | NETWORK RESISTOR | 47Ω |
| RA3002 | NRZ0034-470W | NETWORK RESISTOR | 47Ω |
| RA3003 | NRZ0034-100W | NETWORK RESISTOR | 10Ω |
| RA3004 | NRZ0034-103W | NETWORK RESISTOR | 10kΩ |
| RA3005 | NRZ0040-0R0X | NETWORK RESISTOR | 0Ω |
| RA4201 | NRZ0034-221W | NETWORK RESISTOR | 220Ω |
| RA4202 | NRZ0034-221W | NETWORK RESISTOR | 220Ω |
| RA4301 | NRZ0034-181W | NETWORK RESISTOR | 180Ω |
| RA4302 | NRZ0034-181W | NETWORK RESISTOR | 180Ω |
| RA4303 | NRZ0034-181W | NETWORK RESISTOR | 180Ω |
| RA4304 | NRZ0034-181W | NETWORK RESISTOR | 180Ω |
| RA4305 | NRZ0034-470W | NETWORK RESISTOR | 47Ω |
| RA4306 | NRZ0034-470W | NETWORK RESISTOR | 47Ω |
| RA4307 | NRZ0034-470W | NETWORK RESISTOR | 47Ω |
| RA4308 | NRZ0034-470W | NETWORK RESISTOR | 47Ω |
| RA8001 | NRZ0034-221W | NETWORK RESISTOR | 220Ω |
| RA8002 | NRZ0034-221W | NETWORK RESISTOR | 220Ω |
| RA8003 | NRZ0034-221W | NETWORK RESISTOR | 220Ω |
| RA8004 | NRZ0034-221W | NETWORK RESISTOR | 220Ω |
| C1004 | NCFA1AZ-104W | CAPACITOR | 0.1μF,10V |
| C1006 | NDCA1HJ-130W | CAPACITOR | 13pF,50V |
| C1007 | NCFA1HZ-103W | CAPACITOR | 0.01μF,50V |
| C1009 | NCFA1HZ-103W | CAPACITOR | 0.01μF,50V |
| C1010 | NCFA1HZ-103W | CAPACITOR | 0.01μF,50V |
| C1011 | NCFA1HZ-103W | CAPACITOR | 0.01μF,50V |
| C1015 | NCFA1HZ-103W | CAPACITOR | 0.01μF,50V |
| C1016 | NCFA1HZ-103W | CAPACITOR | 0.01μF,50V |
| C1017 | NCFA1HZ-103W | CAPACITOR | 0.01μF,50V |
| C1018 | NCFA1HZ-103W | CAPACITOR | 0.01μF,50V |
| C1019 | NCFA1HZ-103W | CAPACITOR | 0.01μF,50V |
| C1023 | NCFA1AZ-104W | CAPACITOR | 0.1μF,10V |
| C1026 | NCFA1AZ-104W | CAPACITOR | 0.1μF,10V |
| C1027 | NCFA1HZ-103W | CAPACITOR | 0.01μF,50V |
| C1028 | NCFA1HZ-103W | CAPACITOR | 0.01μF,50V |
| C1029 | NCFA1HZ-103W | CAPACITOR | 0.01μF,50V |
| C1030 | NCFA1HZ-103W | CAPACITOR | 0.01μF,50V |
| C1031 | NCF31AZ-105X | CAPACITOR | 1μF,10V |
| C1034 | NCFA1HZ-103W | CAPACITOR | 0.01μF,50V |
| C1036 | NCFA1HZ-103W | CAPACITOR | 0.01μF,50V |
| C1037 | NCFA1HZ-103W | CAPACITOR | 0.01μF,50V |
| C1038 | NCFA1HZ-103W | CAPACITOR | 0.01μF,50V |
| C1039 | NCFA1HZ-103W | CAPACITOR | 0.01μF,50V |
| C1401 | NDCA1HJ-150W | CAPACITOR | 15pF,50V |
| C1402 | NDCA1HJ-150W | CAPACITOR | 15pF,50V |
| C1403 | NCBA1AK-104W | CAPACITOR | 0.1μF,10V |
| C1404 | NCBA1AK-104W | CAPACITOR | 0.1μF,10V |
| C1405 | NCBA1AK-104W | CAPACITOR | 0.1μF,10V |
| C1406 | NCBA1AK-104W | CAPACITOR | 0.1μF,10V |
| C1407 | NCBA1AK-104W | CAPACITOR | 0.1μF,10V |
| C1409 | NCBA1CK-103W | CAPACITOR | 0.01μF,16V |
| C1410 | NCBA1CK-103W | CAPACITOR | 0.01μF,16V |
| C1411 | NCBA1CK-103W | CAPACITOR | 0.01μF,16V |
| C1412 | NCBA1CK-223W | CAPACITOR | 0.022μF,16V |
| C1413 | NCBA1CK-223W | CAPACITOR | 0.022μF,16V |
| C1414 | NCBA1CK-223W | CAPACITOR | 0.022μF,16V |
| C1415 | NCBA1CK-223W | CAPACITOR | 0.022μF,16V |
| C1416 | NCBA1AK-104W | CAPACITOR | 0.1μF,10V |
| C2151 | NCB30JK-105X | CAPACITOR | 1μF,6.3V |
| C2152 | NCB30JK-105X | CAPACITOR | 1μF,6.3V |

| # ⚠ REF No. | PART No. | PART NAME, DESCRIPTION | |
|---|---|---|---|
| C2153 | NCBA1HK-222W | CAPACITOR | 0.0022μF,50V |
| C2154 | NCBA1HK-222W | CAPACITOR | 0.0022μF,50V |
| C2155 | NBE20JM-475X | T CAPACITOR | 4.7μF,6.3V |
| C2156 | NCB31CK-104X | CAPACITOR | 0.1μF,16V |
| C2157 | NCB31CK-104X | CAPACITOR | 0.1μF,16V |
| C2161 | NCB30JK-105X | CAPACITOR | 1μF,6.3V |
| C2162 | NCB30JK-105X | CAPACITOR | 1μF,6.3V |
| C2163 | NBE20JM-106X | T CAPACITOR | 10μF,6.3V |
| C3001 | NBE20JM-106X | T CAPACITOR | 10μF,6.3V |
| C3003 | NCB30JK-105X | CAPACITOR | 1μF,6.3V |
| C3005 | NBE20JM-106X | T CAPACITOR | 10μF,6.3V |
| C3007 | NCB10JK-106X | CAPACITOR | 10μF,6.3V |
| C3008 | NBE20JM-106X | T CAPACITOR | 10μF,6.3V |
| C3011 | NCBA1AK-104W | CAPACITOR | 0.1μF,10V |
| C3012 | NCBA1AK-104W | CAPACITOR | 0.1μF,10V |
| C3013 | NCBA1CK-103W | CAPACITOR | 0.01μF,16V |
| C3014 | NCBA1CK-103W | CAPACITOR | 0.01μF,16V |
| C3015 | NCBA1CK-103W | CAPACITOR | 0.01μF,16V |
| C3016 | NCBA1AK-104W | CAPACITOR | 0.1μF,10V |
| C3017 | NCBA1AK-104W | CAPACITOR | 0.1μF,10V |
| C3020 | NCBA1AK-104W | CAPACITOR | 0.1μF,10V |
| C3021 | NCBA1AK-104W | CAPACITOR | 0.1μF,10V |
| C3022 | NCBA1AK-104W | CAPACITOR | 0.1μF,10V |
| C3023 | NDCA1HJ-330W | CAPACITOR | 33pF,50V |
| C3024 | NCBA1HK-102W | CAPACITOR | 0.001μF,50V |
| C3025 | NCBA1AK-104W | CAPACITOR | 0.1μF,10V |
| C3026 | NCB30JK-105X | CAPACITOR | 1μF,6.3V |
| C3027 | NCBA1EK-472W | CAPACITOR | 0.0047μF,25V |
| C3028 | NDCA1EJ-271W | CAPACITOR | 270pF,25V |
| C3029 | NCBA1CK-103W | CAPACITOR | 0.01μF,16V |
| C3030 | NCBA1AK-104W | CAPACITOR | 0.1μF,10V |
| C3031 | NCBA1AK-104W | CAPACITOR | 0.1μF,10V |
| C3032 | NCBA1HK-102W | CAPACITOR | 0.001μF,50V |
| C3033 | NDCA1HJ-220W | CAPACITOR | 22pF,50V |
| C3036 | NDCA1HJ-8R0W | CAPACITOR | 8pF,50V |
| C3037 | NDCA1HJ-8R0W | CAPACITOR | 8pF,50V |
| C3038 | NCBA1AK-104W | CAPACITOR | 0.1μF,10V |
| C3039 | NCBA1AK-104W | CAPACITOR | 0.1μF,10V |
| C3042 | NCBA1CK-103W | CAPACITOR | 0.01μF,16V |
| C3043 | NCBA1CK-103W | CAPACITOR | 0.01μF,16V |
| C3044 | NCBA1AK-104W | CAPACITOR | 0.1μF,10V |
| C3045 | NCBA1AK-104W | CAPACITOR | 0.1μF,10V |
| C3046 | NCBA1CK-103W | CAPACITOR | 0.01μF,16V |
| C3048 | NCB31CK-473X | CAPACITOR | 0.047μF,16V |
| C3049 | NCBA1HK-222W | CAPACITOR | 0.0022μF,50V |
| C3050 | NCBA1CK-103W | CAPACITOR | 0.01μF,16V |
| C3051 | NCBA1HK-102W | CAPACITOR | 0.001μF,50V |
| C3052 | NCBA1AK-473W | CAPACITOR | 0.047μF,10V |
| C3054 | NCB30JK-105X | CAPACITOR | 1μF,6.3V |
| C3056 | NBE20JM-106X | T CAPACITOR | 10μF,6.3V |
| C3059 | NBE20GM-226X | T CAPACITOR | 22μF,4.0V |
| C3060 | NCBA1CK-103W | CAPACITOR | 0.01μF,16V |
| C3061 | NCBA1CK-103W | CAPACITOR | 0.01μF,16V |
| C3064 | NCBA1HK-102W | CAPACITOR | 0.001μF,50V |
| C3501 | NBE20JM-106X | T CAPACITOR | 10μF,6.3V |
| C3502 | NBE20JM-106X | T CAPACITOR | 10μF,6.3V |
| C3503 | NBE20JM-106X | T CAPACITOR | 10μF,6.3V |
| C3504 | NCBA1AK-473W | CAPACITOR | 0.047μF,10V |
| C3505 | NCBA1CK-223W | CAPACITOR | 0.022μF,16V |
| C3506 | NCB21AK-105X | CAPACITOR | 1μF,10V |
| C3507 | NCBA1CK-103W | CAPACITOR | 0.01μF,16V |
| C3508 | NCBA1CK-103W | CAPACITOR | 0.01μF,16V |
| C3509 | NCBA1CK-103W | CAPACITOR | 0.01μF,16V |

| # ⚠ REF No. | PART No. | PART NAME, DESCRIPTION | |
|---|---|---|---|
| C3510 | NCBA1AK-104W | CAPACITOR | 0.1µF,10V |
| C3511 | NCBA1CK-103W | CAPACITOR | 0.01µF,16V |
| C3512 | NCB31CK-104X | CAPACITOR | 0.1µF,16V |
| C3513 | NCBA1AK-104W | CAPACITOR | 0.1µF,10V |
| C3514 | NCBA1AK-473W | CAPACITOR | 0.047µF,10V |
| C3515 | NCBA1AK-473W | CAPACITOR | 0.047µF,10V |
| C3516 | NCBA1AK-473W | CAPACITOR | 0.047µF,10V |
| C3517 | NCBA1CK-103W | CAPACITOR | 0.01µF,16V |
| C3518 | NCBA1CK-103W | CAPACITOR | 0.01µF,16V |
| C3519 | NCBA1HK-102W | CAPACITOR | 0.001µF,50V |
| C3520 | NCBA1CK-103W | CAPACITOR | 0.01µF,16V |
| C3521 | NCBA1AK-104W | CAPACITOR | 0.1µF,10V |
| C3522 | NCB20JM-475X | CAPACITOR | 4.7µF,6.3V |
| C3523 | NCBA1CK-103W | CAPACITOR | 0.01µF,16V |
| C3524 | NCBA1CK-103W | CAPACITOR | 0.01µF,16V |
| C3525 | NCB20JM-475X | CAPACITOR | 4.7µF,6.3V |
| C3526 | NCBA1CK-103W | CAPACITOR | 0.01µF,16V |
| C3527 | NDCA1EJ-221W | CAPACITOR | 220pF,25V |
| C3528 | NCBA1CK-103W | CAPACITOR | 0.01µF,16V |
| C3701 | NBE20JM-106X | T CAPACITOR | 10µF,6.3V |
| C3702 | NDCA1HJ-560W | CAPACITOR | 56pF,50V |
| C3703 | NDCA1HJ-270W | CAPACITOR | 27pF,50V |
| C3704 | NDCA1HJ-680W | CAPACITOR | 68pF,50V |
| C3705 | NDCA1HJ-270W | CAPACITOR | 27pF,50V |
| C3706 | NCB30JK-105X | CAPACITOR | 1µF,6.3V |
| C3707 | NCBA1CK-103W | CAPACITOR | 0.01µF,16V |
| C3708 | NCBA1AK-104W | CAPACITOR | 0.1µF,10V |
| C3709 | NCBA1CK-103W | CAPACITOR | 0.01µF,16V |
| C3710 | NBE20GM-226X | T CAPACITOR | 22µF,4.0V |
| C3712 | NBE20GM-107X | T CAPACITOR | 100µF,4.0V |
| C3715 | NCBA1CK-103W | CAPACITOR | 0.01µF,16V |
| C3801 | NCB21AK-105X | CAPACITOR | 1µF,10V |
| C3802 | NCB21AK-105X | CAPACITOR | 1µF,10V |
| C3803 | NBE20JM-106X | T CAPACITOR | 10µF,6.3V |
| C3804 | NBE20GM-476X | T CAPACITOR | 47µF,4.0V |
| C3805 | NCBA1CK-103W | CAPACITOR | 0.01µF,16V |
| C3806 | NCBA1CK-103W | CAPACITOR | 0.01µF,16V |
| C3807 | NCBA1CK-103W | CAPACITOR | 0.01µF,16V |
| C3808 | NCBA1CK-103W | CAPACITOR | 0.01µF,16V |
| C3809 | NCB31CK-104X | CAPACITOR | 0.1µF,16V |
| C3810 | NCBA1CK-103W | CAPACITOR | 0.01µF,16V |
| C3811 | NCB31CK-104X | CAPACITOR | 0.1µF,16V |
| C3812 | NCBA1AK-104W | CAPACITOR | 0.1µF,10V |
| C3813 | NCBA1AK-104W | CAPACITOR | 0.1µF,10V |
| C3819 | NCBA1CK-103W | CAPACITOR | 0.01µF,16V |
| C4201 | NBE40JM-476X | T CAPACITOR | 47µF,6.3V |
| C4202 | NBE40JM-476X | T CAPACITOR | 47µF,6.3V |
| C4203 | NCBA1CK-103W | CAPACITOR | 0.01µF,16V |
| C4204 | NBE20GM-107X | T CAPACITOR | 100µF,4.0V |
| C4205 | NCBA1AK-104W | CAPACITOR | 0.1µF,10V |
| C4206 | NCBA1AK-104W | CAPACITOR | 0.1µF,10V |
| C4207 | NCBA1AK-104W | CAPACITOR | 0.1µF,10V |
| C4208 | NCBA1AK-104W | CAPACITOR | 0.1µF,10V |
| C4209 | NCBA1AK-104W | CAPACITOR | 0.1µF,10V |
| C4210 | NCB30JK-105X | CAPACITOR | 1µF,6.3V |
| C4211 | NCB21CK-105X | CAPACITOR | 1µF,16V |
| C4212 | NCBA1CK-123W | CAPACITOR | 0.012µF,16V |
| C4213 | NCBA1AK-104W | CAPACITOR | 0.1µF,10V |
| C4214 | NCBA1AK-104W | CAPACITOR | 0.1µF,10V |
| C4215 | NCBA1AK-104W | CAPACITOR | 0.1µF,10V |
| C4216 | NCB30JK-105X | CAPACITOR | 1µF,6.3V |
| C4217 | NCB30JK-105X | CAPACITOR | 1µF,6.3V |
| C4218 | NCBA1AK-104W | CAPACITOR | 0.1µF,10V |

| # ⚠ REF No. | PART No. | PART NAME, DESCRIPTION | |
|---|---|---|---|
| C4219 | NCBA1AK-104W | CAPACITOR | 0.1µF,10V |
| C4220 | NCB30JK-105X | CAPACITOR | 1µF,6.3V |
| C4301 | NCB30JK-105X | CAPACITOR | 1µF,6.3V |
| C4302 | NBE20JM-106X | T CAPACITOR | 10µF,6.3V |
| C4303 | NBE20JM-106X | T CAPACITOR | 10µF,6.3V |
| C4304 | NCBA1AK-104W | CAPACITOR | 0.1µF,10V |
| C4305 | NCB30JK-105X | CAPACITOR | 1µF,6.3V |
| C4306 | NBE20JM-106X | T CAPACITOR | 10µF,6.3V |
| C4307 | NBE20JM-106X | T CAPACITOR | 10µF,6.3V |
| C4308 | NBE20JM-106X | T CAPACITOR | 10µF,6.3V |
| C4309 | NCBA1AK-104W | CAPACITOR | 0.1µF,10V |
| C4310 | NCBA1AK-104W | CAPACITOR | 0.1µF,10V |
| C4311 | NCBA1AK-104W | CAPACITOR | 0.1µF,10V |
| C4312 | NCBA1AK-104W | CAPACITOR | 0.1µF,10V |
| C4313 | NCBA1AK-104W | CAPACITOR | 0.1µF,10V |
| C4315 | NBE20JM-106X | T CAPACITOR | 10µF,6.3V |
| C4316 | NCB30JK-105X | CAPACITOR | 1µF,6.3V |
| C4317 | NCBA1AK-104W | CAPACITOR | 0.1µF,10V |
| C4318 | NCBA1AK-104W | CAPACITOR | 0.1µF,10V |
| C4803 | NBE20JM-106X | T CAPACITOR | 10µF,6.3V |
| C4804 | NCFA1AZ-104W | CAPACITOR | 0.1µF,10V |
| C4806 | NCFA1AZ-104W | CAPACITOR | 0.1µF,10V |
| C4808 | NCB30JK-105X | CAPACITOR | 1µF,6.3V |
| C4809 | NCFA1AZ-104W | CAPACITOR | 0.1µF,10V |
| C4810 | NCBA1CK-103W | CAPACITOR | 0.01µF,16V |
| C4811 | NCBA1CK-103W | CAPACITOR | 0.01µF,16V |
| C4812 | NCFA1AZ-104W | CAPACITOR | 0.1µF,10V |
| C4813 | NCFA1AZ-104W | CAPACITOR | 0.1µF,10V |
| C4814 | NCFA1AZ-104W | CAPACITOR | 0.1µF,10V |
| C4815 | NCB31HK-152X | CAPACITOR | 0.0015µF,50V |
| C4819 | NCF31CZ-104X | CAPACITOR | 0.1µF,16V |
| C4851 | NBE20JM-106X | T CAPACITOR | 10µF,6.3V |
| C4852 | NCFA1AZ-104W | CAPACITOR | 0.1µF,10V |
| C4853 | NBE21AM-335X | T CAPACITOR | 3.3µF,10V |
| C4854 | NBE21AM-106X | T CAPACITOR | 10µF,10V |
| C4855 | NCB31CK-104X | CAPACITOR | 0.1µF,16V |
| C4858 | NDCA1HJ-680W | CAPACITOR | 68pF,50V |
| C4859 | NCBA1CK-103W | CAPACITOR | 0.01µF,16V |
| C4860 | NCBA1CK-103W | CAPACITOR | 0.01µF,16V |
| C4861 | NCBA1CK-103W | CAPACITOR | 0.01µF,16V |
| C4862 | NCBA1CK-103W | CAPACITOR | 0.01µF,16V |
| C4864 | NBE20JM-106X | T CAPACITOR | 10µF,6.3V |
| C4865 | NCFA1AZ-104W | CAPACITOR | 0.1µF,10V |
| C5001 | NCB30JK-105X | CAPACITOR | 1µF,6.3V |
| C5002 | NCBA1AK-104W | CAPACITOR | 0.1µF,10V |
| C5003 | NBE20JM-106X | T CAPACITOR | 10µF,6.3V |
| C5004 | NCB30JK-105X | CAPACITOR | 1µF,6.3V |
| C5005 | NCBA1AK-104W | CAPACITOR | 0.1µF,10V |
| C5006 | NCBA1AK-104W | CAPACITOR | 0.1µF,10V |
| C5008 | NBE20JM-476X | T CAPACITOR | 47µF,6.3V |
| C5009 | NBE20JM-476X | T CAPACITOR | 47µF,6.3V |
| C5011 | NCBA1AK-104W | CAPACITOR | 0.1µF,10V |
| C5012 | NCBA1AK-104W | CAPACITOR | 0.1µF,10V |
| C5013 | NCBA1AK-104W | CAPACITOR | 0.1µF,10V |
| C5014 | NCBA1AK-104W | CAPACITOR | 0.1µF,10V |
| C5017 | NBE41AM-476X | T CAPACITOR | 47µF,10V |
| C5021 | NBP41EM-475X | T CAPACITOR | 4.7µF,25V |
| C5023 | NCBA1AK-104W | CAPACITOR | 0.1µF,10V |
| C5024 | NCF31EZ-104X | CAPACITOR | 0.1µF,25V |
| C5025 | NBP21VM-105X | T CAPACITOR | 1µF,35V |
| C5026 | NCBA1AK-104W | CAPACITOR | 0.1µF,10V |
| C5027 | NCBA1AK-104W | CAPACITOR | 0.1µF,10V |
| C5028 | NBE20JM-106X | T CAPACITOR | 10µF,6.3V |

| # ⚠ REF No. | PART No. | PART NAME, DESCRIPTION | |
|---|---|---|---|
| C6001 | NCBA1CK-103W | CAPACITOR | 0.01µF,16V |
| C6002 | NCBA1AK-104W | CAPACITOR | 0.1µF,10V |
| C6003 | NBE20JM-106X | T CAPACITOR | 10µF,6.3V |
| C6004 | NCB30JK-105X | CAPACITOR | 1µF,6.3V |
| C6005 | NDCA1HJ-101W | CAPACITOR | 100pF,50V |
| C6101 | NCB21CK-105X | CAPACITOR | 1µF,16V |
| C6102 | NBP41DM-106X | T CAPACITOR | 10µF,20V |
| C6103 | NCB21CK-105X | CAPACITOR | 1µF,16V |
| C6105 | NCB21CK-105X | CAPACITOR | 1µF,16V |
| C6106 | NCB30JK-105X | CAPACITOR | 1µF,6.3V |
| C6107 | NCB30JK-105X | CAPACITOR | 1µF,6.3V |
| C6108 | NCB30JK-105X | CAPACITOR | 1µF,6.3V |
| C6109 | NCB30JK-105X | CAPACITOR | 1µF,6.3V |
| C6110 | NCBA1AK-104W | CAPACITOR | 0.1µF,10V |
| C6111 | NCBA1AK-104W | CAPACITOR | 0.1µF,10V |
| C6112 | NCBA1AK-333W | CAPACITOR | 0.033µF,10V |
| C6113 | NCBA1HK-561W | CAPACITOR | 560pF,50V |
| C6114 | NCBA1HK-272W | CAPACITOR | 0.0027µF,50V |
| C6115 | NCBA1HK-561W | CAPACITOR | 560pF,50V |
| C6116 | NCBA1CK-103W | CAPACITOR | 0.01µF,16V |
| C6117 | NCBA1AK-104W | CAPACITOR | 0.1µF,10V |
| C6118 | NCBA1AK-104W | CAPACITOR | 0.1µF,10V |
| C6119 | NDCA1HJ-101W | CAPACITOR | 100pF,50V |
| C6120 | NCB30JK-105X | CAPACITOR | 1µF,6.3V |
| C6121 | NCBA1AK-104W | CAPACITOR | 0.1µF,10V |
| C6122 | NCBA1CK-223W | CAPACITOR | 0.022µF,16V |
| C6123 | NCBA1CK-103W | CAPACITOR | 0.01µF,16V |
| C6124 | NCBA1CK-103W | CAPACITOR | 0.01µF,16V |
| C6125 | NCBA1CK-103W | CAPACITOR | 0.01µF,16V |
| C6126 | NCBA1CK-103W | CAPACITOR | 0.01µF,16V |
| C6127 | NCBA1HK-102W | CAPACITOR | 0.001µF,50V |
| C6128 | NCB21CK-105X | CAPACITOR | 1µF,16V |
| C6129 | NCBA1HK-561W | CAPACITOR | 560pF,50V |
| C6130 | NCBA1AK-104W | CAPACITOR | 0.1µF,10V |
| C6131 | NCBA1AK-104W | CAPACITOR | 0.1µF,10V |
| C6132 | NCBA1AK-104W | CAPACITOR | 0.1µF,10V |
| C6134 | NCBA1AK-104W | CAPACITOR | 0.1µF,10V |
| C6201 | NCB21CK-105X | CAPACITOR | 1µF,16V |
| C6202 | NCB10JK-106X | CAPACITOR | 10µF,6.3V |
| C6203 | NCBA1HK-102W | CAPACITOR | 0.001µF,50V |
| C6204 | NCBA1HK-561W | CAPACITOR | 560pF,50V |
| C6205 | NCB30JK-105X | CAPACITOR | 1µF,6.3V |
| C6206 | NCB21CK-105X | CAPACITOR | 1µF,16V |
| C6207 | NCB10JK-106X | CAPACITOR | 10µF,6.3V |
| C6208 | NCBA1EK-472W | CAPACITOR | 0.0047µF,25V |
| C6209 | NCB21CK-105X | CAPACITOR | 1µF,16V |
| C6210 | NCB10JK-106X | CAPACITOR | 10µF,6.3V |
| C6211 | NCBA1HK-102W | CAPACITOR | 0.001µF,50V |
| C6214 | NCB21CK-105X | CAPACITOR | 1µF,16V |
| C6215 | NCB30JK-105X | CAPACITOR | 1µF,6.3V |
| C6216 | NCBA1AK-683W | CAPACITOR | 0.068µF,10V |
| C6217 | NCB21CK-105X | CAPACITOR | 1µF,16V |
| C6218 | NCB30JK-105X | CAPACITOR | 1µF,6.3V |
| C6219 | NCB21CK-224X | CAPACITOR | 0.22µF,16V |
| C6220 | NCB21CK-105X | CAPACITOR | 1µF,16V |
| C6221 | NCB21CK-105X | CAPACITOR | 1µF,16V |
| C6222 | NCB11EK-105X | CAPACITOR | 1µF,25V |
| C6224 | NCBA1HK-222W | CAPACITOR | 0.0022µF,50V |
| C6225 | NCBA1CK-103W | CAPACITOR | 0.01µF,16V |
| C6226 | NCB21CK-105X | CAPACITOR | 1µF,16V |
| C6227 | NCB21CK-105X | CAPACITOR | 1µF,16V |
| C6228 | NCB11EK-105X | CAPACITOR | 1µF,25V |
| C6230 | NCB21CK-105X | CAPACITOR | 1µF,16V |

| # ⚠ REF No. | PART No. | PART NAME, DESCRIPTION | |
|---|---|---|---|
| C6701 | NCB21CK-105X | CAPACITOR | 1µF,16V |
| C6703 | NCB21CK-105X | CAPACITOR | 1µF,16V |
| C8001 | NBE20JM-106X | T CAPACITOR | 10µF,6.3V |
| C8002 | NBE20JM-106X | T CAPACITOR | 10µF,6.3V |
| C8003 | NBE20JM-106X | T CAPACITOR | 10µF,6.3V |
| C8004 | NCBA1AK-104W | CAPACITOR | 0.1µF,10V |
| C8005 | NCBA1AK-104W | CAPACITOR | 0.1µF,10V |
| C8006 | NBE20JM-106X | T CAPACITOR | 10µF,6.3V |
| C8007 | NCBA1AK-104W | CAPACITOR | 0.1µF,10V |
| C8008 | NCBA1AK-104W | CAPACITOR | 0.1µF,10V |
| C8010 | NCBA1AK-104W | CAPACITOR | 0.1µF,10V |
| C8011 | NCBA1AK-104W | CAPACITOR | 0.1µF,10V |
| C8014 | NCBA1AK-104W | CAPACITOR | 0.1µF,10V |
| C8015 | NCBA1AK-104W | CAPACITOR | 0.1µF,10V |
| C8016 | NCBA1AK-104W | CAPACITOR | 0.1µF,10V |
| C8017 | NCBA1AK-104W | CAPACITOR | 0.1µF,10V |
| C8018 | NCBA1AK-104W | CAPACITOR | 0.1µF,10V |
| C8019 | NCBA1AK-104W | CAPACITOR | 0.1µF,10V |
| C8020 | NCBA1AK-104W | CAPACITOR | 0.1µF,10V |
| C8021 | NBE20JM-106X | T CAPACITOR | 10µF,6.3V |
| C8022 | NCB21CK-104X | CAPACITOR | 0.1µF,16V |
| C8023 | NCBA1AK-104W | CAPACITOR | 0.1µF,10V |
| C8024 | NCBA1AK-104W | CAPACITOR | 0.1µF,10V |
| C8025 | NCBA1AK-104W | CAPACITOR | 0.1µF,10V |
| C8026 | NCBA1AK-104W | CAPACITOR | 0.1µF,10V |
| C8030 | NCBA1CK-103W | CAPACITOR | 0.01µF,16V |
| C8301 | NBE20JM-106X | T CAPACITOR | 10µF,6.3V |
| C8305 | NCBA1AK-104W | CAPACITOR | 0.1µF,10V |
| C8306 | NCBA1AK-104W | CAPACITOR | 0.1µF,10V |
| C8307 | NCBA1AK-104W | CAPACITOR | 0.1µF,10V |
| C8310 | NCBA1AK-104W | CAPACITOR | 0.1µF,10V |
| C8311 | NCBA1AK-104W | CAPACITOR | 0.1µF,10V |
| L1002 | NQR0006-001X | FERRITE BEAD | |
| L1401 | NQR0006-001X | FERRITE BEAD | |
| L2151 | NQL402M-100X | COIL | 10µH |
| L3001 | NQR0129-002X | FERRITE BEAD | |
| L3002 | NQR0129-002X | FERRITE BEAD | |
| L3004 | NQR0006-001X | FERRITE BEAD | |
| L3005 | NQR0006-001X | FERRITE BEAD | |
| L3006 | NQR0006-001X | FERRITE BEAD | |
| L3007 | NQL085J-2R2X | COIL | 2.2µH |
| L3008 | NQL085J-120X | COIL | 12µH |
| L3014 | NQL38DK-100X | COIL | 10µH |
| L3015 | NQL38DK-100X | COIL | 10µH |
| L3501 | NQR0129-002X | FERRITE BEAD | |
| L3502 | NQL402M-100X | COIL | 10µH |
| L3503 | NQR0006-001X | FERRITE BEAD | |
| L3504 | NQR0006-001X | FERRITE BEAD | |
| L3505 | NQR0006-001X | FERRITE BEAD | |
| L3701 | NQL38DK-100X | COIL | 10µH |
| L3801 | NQR0129-002X | FERRITE BEAD | |
| L3802 | NQR0129-002X | FERRITE BEAD | |
| L3803 | NQR0006-001X | FERRITE BEAD | |
| L3804 | NQL38DK-100X | COIL | 10µH |
| L4201 | NQL402M-100X | COIL | 10µH |
| L4301 | NQR0129-002X | FERRITE BEAD | |
| L4302 | NQR0129-002X | FERRITE BEAD | |
| L4303 | NQR0129-002X | FERRITE BEAD | |
| L4304 | NQR0129-002X | FERRITE BEAD | |
| L4305 | NQR0129-002X | FERRITE BEAD | |
| L4802 | NQL302N-100X | COIL | 10µH |
| L4851 | NQR0129-002X | FERRITE BEAD | |
| L4852 | NQL315K-100X | COIL | 10µH |

| # | ⚠ | REF No. | PART No. | PART NAME, DESCRIPTION | |
|---|---|---|---|---|---|
| | | L4853 | NQL315K-100X | COIL | 10µH |
| | | L5001 | NQR0129-002X | FERRITE BEAD | |
| | | L5002 | NQL045K-100X | COIL | 10µH |
| | | L5003 | NQL045K-100X | COIL | 10µH |
| | | L5004 | NQL045K-100X | COIL | 10µH |
| | | L5005 | NQR0129-002X | FERRITE BEAD | |
| | | L5006 | NQL045K-100X | COIL | 10µH |
| | | L5007 | NQR0129-002X | FERRITE BEAD | |
| | | L6101 | NQL64EM-4R7X | COIL | 4.7µH |
| | | L6102 | NQL64EM-4R7X | COIL | 4.7µH |
| | | L6201 | NQL52EM-390X | COIL | 39µH |
| | | L6202 | NQL52EM-390X | COIL | 39µH |
| | | L6203 | NQL52EM-390X | COIL | 39µH |
| | | L6204 | NQL144K-220X | COIL | 22µH |
| | | L6206 | NQL62EM-470X | COIL | 47µH |
| | | L6207 | NQL62EM-470X | COIL | 47µH |
| | | L6208 | NQLZ011-221X | COIL | 220µH |
| | | L6701 | NQL64EM-100X | COIL | 10µH |
| | | L8001 | NQR0129-002X | FERRITE BEAD | |
| | | L8002 | NQR0129-002X | FERRITE BEAD | |
| | | L8003 | NQR0129-002X | FERRITE BEAD | |
| | | L8004 | NQR0129-002X | FERRITE BEAD | |
| | | L8005 | NQR0129-002X | FERRITE BEAD | |
| | | L8006 | NQR0006-001X | FERRITE BEAD | |
| | | L8301 | NQR0129-002X | FERRITE BEAD | |
| | | X1001 | NAX0474-001X | C OSCILLATOR | |
| | | X1002 | NAX0325-001X | CRYSTAL RESONATOR | |
| | | X1401 | NAX0204-001X | CRYSTAL RESONATOR | |
| | | X3002 | NAX0206-001X | CRYSTAL RESONATOR | |
| | | X4301 | NAX0356-001X | CXO | |
| | | X8301 | NAX0522-001X | RESONATOR | |
| | | FW1 | QAL0402-001 | FPC,CN109-SD CN601 | |
| | | CN101 | QGB0406L1-60X | CONNECTOR | |
| | | CN102 | QGB0405L1-60X | CONNECTOR | |
| | | CN103 | QGB0405L1-60X | CONNECTOR | |
| | | CN104 | QGF0301F1-45X | FPC CONNECTOR | |
| | | CN105 | QGB0512L4-40X | CONNECTOR | |
| | | CN106 | QGF0503F2-06X | FFC/FPC CONNECTOR | |
| | | CN107 | QGF0503F4-20X | FFC/FPC CONNECTOR | |
| | | CN108 | QGF0503F4-24X | FFC/FPC CONNECTOR | |
| | | CN109 | QGF0507F3-20X | FFC/FPC CONNECTOR | |
| | | CN110 | QGF0505F2-08X | FPC CONNECTOR | |
| | ⚠ | F6101 | NMFZ007-2R0X-K | FUSE | T2.0A,50V |
| | | OT1 | LY30029-0U3A | SPACER(A) | |
| | | OT2 | YU40341 | INSULATER | |
| | | OT3 | LY43832-001A | SHEET(MAIN PWB) | |
| | | OT4 | LY30030-001A | SPACER(A) | |
| | | SD1 | LY43488-001A | SHIELD CASE | |

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## MDA BOARD ASSEMBLY <02>

| # | ⚠ | REF No. | PART No. | PART NAME, DESCRIPTION | |
|---|---|---|---|---|---|
| | | PW | YB10376A-01 | MDA BOARD ASSY | |
| | ⚠ | IC1601 | BD6631KV | IC | |
| | | IC1602 | TC7W14FU | IC(DIGITAL) | |
| | | | or SN74AHC2G14T | IC | |
| | | IC1801 | RPM7138-V4 | IR DETECT UNIT | |
| | | Q1601 | UMC3N | DIGI TRANSISTOR | |
| | | D1602 | DAP222 | DIODE | |
| | | D1603 | DAP222 | DIODE | |
| | | D1604 | DAP222 | DIODE | |
| | | D1801 | TLSU1002/LM/-X | LE DIODE | |
| | | R1601 | NRSA6AJ-681W | MG RESISTOR | 680Ω,1/16W |
| | | R1602 | NRSA6AJ-124W | MG RESISTOR | 120kΩ,1/16W |
| | | R1603 | NRSA6AJ-472W | MG RESISTOR | 4.7kΩ,1/16W |
| | | R1604 | NRSA6AJ-104W | MG RESISTOR | 100kΩ,1/16W |
| | | R1605 | NRV142F-R22X | CMF RESISTOR | 0.22Ω,1/4W |
| | | R1609 | NRV142F-R33X | CMF RESISTOR | 0.33Ω,1/4W |
| | | R1610 | NRSA6AJ-471W | MG RESISTOR | 470Ω,1/16W |
| | | R1611 | NRSA6AJ-471W | MG RESISTOR | 470Ω,1/16W |
| | | R1612 | NRSA6AJ-104W | MG RESISTOR | 100kΩ,1/16W |
| | | R1613 | NRSA6AJ-102W | MG RESISTOR | 1kΩ,1/16W |
| | | R1614 | NRSA6AJ-102W | MG RESISTOR | 1kΩ,1/16W |
| | | R1615 | NRSA6AJ-102W | MG RESISTOR | 1kΩ,1/16W |
| | | R1616 | NRSA6AJ-391W | MG RESISTOR | 390Ω,1/16W |
| | | R1617 | NRSA6AJ-683W | MG RESISTOR | 68kΩ,1/16W |
| | | R1618 | NRSA6AJ-683W | MG RESISTOR | 68kΩ,1/16W |
| | | R1619 | NRSA6AJ-393W | MG RESISTOR | 39kΩ,1/16W |
| | | R1620 | NRSA6AJ-103W | MG RESISTOR | 10kΩ,1/16W |
| | | R1621 | NRSA6AJ-103W | MG RESISTOR | 10kΩ,1/16W |
| | | R1622 | NRSA6AJ-103W | MG RESISTOR | 10kΩ,1/16W |
| | | R1624 | NRVA6AD-123W | CMF RESISTOR | 12kΩ,1/16W |
| | | R1625 | NRSA6AJ-181W | MG RESISTOR | 180Ω,1/16W |
| | | R1626 | NRSA6AJ-181W | MG RESISTOR | 180Ω,1/16W |
| | | R1628 | NRVA6AD-271W | CMF RESISTOR | 270Ω,1/16W |
| | | R1629 | NRSA6AJ-564W | MG RESISTOR | 560kΩ,1/16W |
| | | R1630 | NRSA6AJ-0R0W | MG RESISTOR | 0Ω,1/16W |
| | | R1631 | NRSA6AJ-0R0W | MG RESISTOR | 0Ω,1/16W |
| | | R1635 | NRSA6AJ-472W | MG RESISTOR | 4.7kΩ,1/16W |
| | | R1636 | NRSA6AJ-103W | MG RESISTOR | 10kΩ,1/16W |
| | | R1637 | NRSA6AJ-154W | MG RESISTOR | 150kΩ,1/16W |
| | | R1801 | NRSA6AJ-470W | MG RESISTOR | 47Ω,1/16W |
| | | R1802 | NRSA6AJ-471W | MG RESISTOR | 470Ω,1/16W |
| | | C1601 | NCBA1CK-103W | CAPACITOR | 0.01µF,16V |
| | | C1602 | NBE20JM-106X | T CAPACITOR | 10µF,6.3V |
| | | C1603 | NBE20JM-106X | T CAPACITOR | 10µF,6.3V |
| | | C1605 | NCBA1AK-104W | CAPACITOR | 0.1µF,10V |
| | | C1606 | NCBA1HK-152W | CAPACITOR | 0.0015µF,50V |
| | | C1607 | NCBA1AK-473W | CAPACITOR | 0.047µF,10V |
| | | C1614 | NBE20JM-106X | T CAPACITOR | 10µF,6.3V |
| | | C1618 | NCBA1HK-222W | CAPACITOR | 0.0022µF,50V |
| | | C1619 | NCBA1HK-222W | CAPACITOR | 0.0022µF,50V |
| | | C1620 | NCBA1HK-222W | CAPACITOR | 0.0022µF,50V |
| | | C1621 | NCB30JK-105X | CAPACITOR | 1µF,6.3V |
| | | C1622 | NCBA1CK-223W | CAPACITOR | 0.022µF,16V |
| | | C1623 | NCBA1AK-473W | CAPACITOR | 0.047µF,10V |
| | | C1624 | NCBA1CK-103W | CAPACITOR | 0.01µF,16V |
| | | C1625 | NCBA1AK-473W | CAPACITOR | 0.047µF,10V |
| | | C1626 | NCBA1HK-331W | CAPACITOR | 330pF,50V |
| | | C1627 | NCBA1CK-822W | CAPACITOR | 0.0082µF,16V |
| | | C1628 | NCB21CK-224X | CAPACITOR | 0.22µF,16V |
| | | C1632 | NBE20JM-106X | T CAPACITOR | 10µF,6.3V |
| | | C1633 | NCB21CK-474X | CAPACITOR | 0.47µF,16V |
| | | C1641 | NCB21CK-474X | CAPACITOR | 0.47µF,16V |
| | | C1801 | NBE21AM-106X | T CAPACITOR | 10µF,10V |
| | ⚠ | BT1801 | QAB0041-001 | LI BATTERY | |
| | | CN201 | QGF0505F2-06X | FPC CONNECTOR | |
| | | CN202 | QGF0505F2-11X | FPC CONNECTOR | |
| | | CN203 | QGF0505F2-18X | FPC CONNECTOR | |
| | | CN204 | QGF0507F3-15X | FFC/FPC CONNECTOR | |
| | | CN205 | QGB0405M1-60X | CONNECTOR | |
| | | CN206 | QGF0508F1-14X | FPC CONNECTOR | |
| | | OT1 | LY43874-001A | SPACER | |
| | | OT2 | LY30029-0W1A | SPACER(A) | |

| # | ⚠ | REF No. | PART No. | PART NAME, DESCRIPTION | |
|---|---|---|---|---|---|

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## CCD BOARD ASSEMBLY <03>

| | | | |
|---|---|---|---|
| | | PW | YB10375A | CCD BOARD ASSY | |
| | | Q5201 | 2SC3931/CD/-X | TRANSISTOR | |
| | | Q5202 | 2SC4081/RS/-X | TRANSISTOR | |
| | | Q5203 | 2SC3931/CD/-X | TRANSISTOR | |
| | | R5201 | NRSA63J-472X | MG RESISTOR | 4.7kΩ,1/16W |
| | | R5202 | NRSA02J-0R0X | MG RESISTOR | 0Ω,1/10W |
| | | R5203 | NRSA63J-104X | MG RESISTOR | 100kΩ,1/16W |
| | | R5205 | NRSA02J-472X | MG RESISTOR | 4.7kΩ,1/10W |
| | | R5206 | NRSA63J-103X | MG RESISTOR | 10kΩ,1/16W |
| | | R5207 | NRSA63J-123X | MG RESISTOR | 12kΩ,1/16W |
| | | R5208 | NRSA63J-102X | MG RESISTOR | 1kΩ,1/16W |
| | | C5201 | NCB21CK-104X | CAPACITOR | 0.1μF,16V |
| | | C5202 | NBP41DM-106X | T CAPACITOR | 10μF,20V |
| | | C5203 | NCB21CK-104X | CAPACITOR | 0.1μF,16V |
| | | C5204 | NBE21AM-106X | T CAPACITOR | 10μF,10V |
| | | C5205 | NCB11EK-104X | CAPACITOR | 0.1μF,25V |
| | | C5206 | NCB21CK-104X | CAPACITOR | 0.1μF,16V |
| | | C5207 | NCB31EK-222X | CAPACITOR | 0.0022μF,25V |
| | | C5211 | NCB21CK-105X | CAPACITOR | 1μF,16V |
| | | L5201 | NQL315K-100X | COIL | 10μH |

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## MONITOR BOARD ASSEMBLY <04>

| | | | |
|---|---|---|---|
| | PW | YB10381A-01 | MONITOR BOARD ASSY | |
| | IC7601 | AN2540FHQ | IC | |
| | IC7602 | BA4558F | IC | |
| | IC7603 | AT25040N-10SC-X | IC | |
| | | or 25LC040-I/SN-X | IC | |
| | IC7604 | SN74LV08APW | IC | |
| | Q7501 | 2SD1664/QR/-W | TRANSISTOR | |
| | Q7502 | 2SD1664/QR/-W | TRANSISTOR | |
| | Q7503 | DTA144EE | DIGI TRANSISTOR | |
| | | or RN2104 | DIGI TRANSISTOR | |
| | | or UN9113J | DIGI TRANSISTOR | |
| | Q7504 | 2SC4617/QR/-X | TRANSISTOR | |
| | | or 2SC4738/YG/-X | TRANSISTOR | |
| | Q7601 | 2SC4617/QR/-X | TRANSISTOR | |
| | | or 2SC4738/YG/-X | TRANSISTOR | |
| | Q7602 | 2SA1774/QR/-X | TRANSISTOR | |
| | | or 2SA1832/YG/-X | TRANSISTOR | |
| | Q7603 | 2SC4617/QR/-X | TRANSISTOR | |
| | | or 2SC4738/YG/-X | TRANSISTOR | |
| | Q7604 | 2SA1774/QR/-X | TRANSISTOR | |
| | | or 2SA1832/YG/-X | TRANSISTOR | |
| | Q7608 | DTC144EE | DIGI TRANSISTOR | |
| | | or RN1104 | DIGI TRANSISTOR | |
| | | or UN9213J | DIGI TRANSISTOR | |
| | Q7609 | DTC144EE | DIGI TRANSISTOR | |
| | | or RN1104 | DIGI TRANSISTOR | |
| | | or UN9213J | DIGI TRANSISTOR | |
| | Q7610 | DTA144EE | DIGI TRANSISTOR | |
| | | or RN2104 | DIGI TRANSISTOR | |
| | | or UN9113J | DIGI TRANSISTOR | |
| | D7601 | RB480Y | SB DIODE | |
| | R7501 | NRSA6AJ-102W | MG RESISTOR | 1kΩ,1/16W |
| | R7502 | NRSA6AJ-102W | MG RESISTOR | 1kΩ,1/16W |
| | R7503 | NRSA6AJ-102W | MG RESISTOR | 1kΩ,1/16W |
| | R7506 | NRSA6AJ-473W | MG RESISTOR | 47kΩ,1/16W |
| | R7507 | NRSA6AJ-473W | MG RESISTOR | 47kΩ,1/16W |
| | R7601 | NRVA6AD-622W | CMF RESISTOR | 6.2kΩ,1/16W |
| | R7602 | NRSA6AJ-153W | MG RESISTOR | 15kΩ,1/16W |
| | R7603 | NRSA6AJ-223W | MG RESISTOR | 22kΩ,1/16W |
| | R7608 | NRSA6AJ-153W | MG RESISTOR | 15kΩ,1/16W |
| | R7609 | NRVA6AD-223W | CMF RESISTOR | 22kΩ,1/16W |
| | R7610 | NRVA6AD-433W | CMF RESISTOR | 43kΩ,1/16W |
| | R7611 | NRVA6AD-821W | CMF RESISTOR | 820Ω,1/16W |
| | R7612 | NRVA6AD-223W | CMF RESISTOR | 22kΩ,1/16W |
| | R7613 | NRVA6AD-223W | CMF RESISTOR | 22kΩ,1/16W |
| | R7614 | NRVA6AD-223W | CMF RESISTOR | 22kΩ,1/16W |
| | R7615 | NRSA6AJ-223W | MG RESISTOR | 22kΩ,1/16W |
| | R7616 | NRSA6AJ-223W | MG RESISTOR | 22kΩ,1/16W |
| | R7617 | NRSA02J-561X | MG RESISTOR | 560Ω,1/10W |
| | R7618 | NRSA02J-561X | MG RESISTOR | 560Ω,1/10W |
| | R7630 | NRSA6AJ-223W | MG RESISTOR | 22kΩ,1/16W |
| | R7631 | NRSA6AJ-335W | MG RESISTOR | 3.3MΩ,1/16W |
| | C7501 | NCZ1016-150X | CAPACITOR | 15pF,2kV |
| | C7502 | NCZ1016-150X | CAPACITOR | 15pF,2kV |
| | C7503 | NFV41HJ-183X | MPPS CAPACITOR | 0.018μF,50V |
| | C7504 | NCB31EK-103X | CAPACITOR | 0.01μF,25V |
| | C7505 | NBE20JM-106X | T CAPACITOR | 10μF,6.3V |
| | C7601 | NCB30JK-105X | CAPACITOR | 1μF,6.3V |
| | C7602 | NCBA1CK-103W | CAPACITOR | 0.01μF,16V |
| | C7603 | NCB11CK-225X | CAPACITOR | 2.2μF,16V |
| | C7604 | NCB11CK-225X | CAPACITOR | 2.2μF,16V |
| | C7605 | NCB11CK-225X | CAPACITOR | 2.2μF,16V |
| | C7606 | NCB31CK-104X | CAPACITOR | 0.1μF,16V |
| | C7607 | NCB41CK-106X | CAPACITOR | 10μF,16V |
| | C7608 | NCB31EK-103X | CAPACITOR | 0.01μF,25V |
| | C7609 | NCB31CK-104X | CAPACITOR | 0.1μF,16V |
| | C7610 | NCB11CK-225X | CAPACITOR | 2.2μF,16V |
| | C7611 | NCB11CK-225X | CAPACITOR | 2.2μF,16V |
| | C7612 | NCB11CK-225X | CAPACITOR | 2.2μF,16V |
| | C7613 | NBE20JM-225X | T CAPACITOR | 2.2μF,6.3V |
| | C7614 | NCBA1HK-152W | CAPACITOR | 0.0015μF,50V |
| | C7615 | NCBA1CK-103W | CAPACITOR | 0.01μF,16V |
| | C7616 | NCB31HK-102X | CAPACITOR | 0.001μF,50V |
| | C7617 | NCBA1CK-103W | CAPACITOR | 0.01μF,16V |
| | C7618 | NCB10JK-106X | CAPACITOR | 10μF,6.3V |
| | C7619 | NCB10JK-106X | CAPACITOR | 10μF,6.3V |
| | C7620 | NCBA1CK-103W | CAPACITOR | 0.01μF,16V |
| | C7621 | NCB30JK-105X | CAPACITOR | 1μF,6.3V |
| | C7622 | NCB30JK-105X | CAPACITOR | 1μF,6.3V |
| | C7623 | NBE21AM-106X | T CAPACITOR | 10μF,10V |
| | C7624 | NCBA1CK-103W | CAPACITOR | 0.01μF,16V |
| | C7626 | NCBA1AK-104W | CAPACITOR | 0.1μF,10V |
| | C7627 | NCBA1AK-104W | CAPACITOR | 0.1μF,10V |
| | C7628 | NBP41EM-475X | T CAPACITOR | 4.7μF,25V |
| | C7629 | NBP21CM-335X | T CAPACITOR | 3.3μF,16V |
| | C7630 | NBP41EM-475X | T CAPACITOR | 4.7μF,25V |
| | C7631 | NCB31EK-103X | CAPACITOR | 0.01μF,25V |
| | C7632 | NCB11CK-225X | CAPACITOR | 2.2μF,16V |
| | C7633 | NCB31EK-103X | CAPACITOR | 0.01μF,25V |
| | C7634 | NBE90JM-106X | T CAPACITOR | 10μF,6.3V |
| | C7635 | NCBA1CK-103W | CAPACITOR | 0.01μF,16V |
| | C7637 | NCBA1CK-103W | CAPACITOR | 0.01μF,16V |
| | C7641 | NCFA1AZ-104W | CAPACITOR | 0.1μF,10V |
| | C7643 | NBE90JM-106X | T CAPACITOR | 10μF,6.3V |
| | C7644 | NCB10JK-106X | CAPACITOR | 10μF,6.3V |

| # ⚠ REF No. | PART No. | PART NAME, DESCRIPTION | |
|---|---|---|---|
| L7501 | NQLZ010-680X | COIL | 68µH |
| L7502 | NQLZ010-220X | COIL | 22µH |
| L7601 | NQL04DK-220X | COIL | 22µH |
| L7602 | NQL04DK-220X | COIL | 22µH |
| L7603 | NQL04DK-220X | COIL | 22µH |
| L7604 | NQL04DK-220X | COIL | 22µH |
| L7605 | NQL04DK-220X | COIL | 22µH |
| L7606 | NQL04DK-220X | COIL | 22µH |
| L7607 | NQL04DK-220X | COIL | 22µH |
| T7501 | NQS0057-001X | SW TRANSF | |
| CN761 | QGF0301F1-39X | FPC CONNECTOR | |
| CN762 | QGF0508F1-24X | FPC CONNECTOR | |
| ⚠ F7501 | NMFZ007-R40X-K | FUSE | T0.4A,50V |
| OT1 | LY30029-0E3A | SPACER(A) | |
| SD1 | LY43572-001A | SHEET(SHIELD) | |

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## JACK BOARD ASSEMBLY <05>

| | | | |
|---|---|---|---|
| PW1 | YB10378A1-01 | JACK BOARD ASSY | |
| IC1101 | BA10358F-XE | IC | |
| D503 | UDZS6.8B | ZENER DIODE | |
| D504 | UDZS6.8B | ZENER DIODE | |
| D552 | UDZS6.8B | ZENER DIODE | |
| D553 | UDZS6.8B | ZENER DIODE | |
| D554 | UDZS6.8B | ZENER DIODE | |
| D555 | EMZ6.8N | ZENER DIODE | |
| R501 | NRSA63J-0R0X | MG RESISTOR | 0Ω,1/16W |
| R502 | NRSA63J-0R0X | MG RESISTOR | 0Ω,1/16W |
| R503 | NRSA63J-0R0X | MG RESISTOR | 0Ω,1/16W |
| R504 | NRSA63J-0R0X | MG RESISTOR | 0Ω,1/16W |
| R509 | NRSA63J-0R0X | MG RESISTOR | 0Ω,1/16W |
| R510 | NRSA63J-680X | MG RESISTOR | 68Ω,1/16W |
| R512 | NRSA63J-0R0X | MG RESISTOR | 0Ω,1/16W |
| R513 | NRSA63J-0R0X | MG RESISTOR | 0Ω,1/16W |
| R551 | NRSA63J-680X | MG RESISTOR | 68Ω,1/16W |
| R552 | NRSA63J-0R0X | MG RESISTOR | 0Ω,1/16W |
| R553 | NRSA63J-221X | MG RESISTOR | 220Ω,1/16W |
| R554 | NRSA63J-331X | MG RESISTOR | 330Ω,1/16W |
| R555 | NRSA63J-0R0X | MG RESISTOR | 0Ω,1/16W |
| R1101 | NRSA63J-333X | MG RESISTOR | 33kΩ,1/16W |
| R1102 | NRSA63J-472X | MG RESISTOR | 4.7kΩ,1/16W |
| R1103 | NRSA63J-105X | MG RESISTOR | 1MΩ,1/16W |
| R1104 | NRSA63J-105X | MG RESISTOR | 1MΩ,1/16W |
| R1105 | NRSA63J-103X | MG RESISTOR | 10kΩ,1/16W |
| R1106 | NRSA63J-103X | MG RESISTOR | 10kΩ,1/16W |
| R1107 | NRSA63J-472X | MG RESISTOR | 4.7kΩ,1/16W |
| C501 | NBZ0002-227X | T CAPACITOR | 220µF,2.5V |
| C502 | NCB31CK-104X | CAPACITOR | 0.1µF,16V |
| C553 | NCB31HK-103X | CAPACITOR | 0.01µF,50V |
| C554 | NCB31HK-103X | CAPACITOR | 0.01µF,50V |
| C557 | NCB31HK-102X | CAPACITOR | 0.001µF,50V |
| C558 | NCB31HK-102X | CAPACITOR | 0.001µF,50V |
| C1101 | NCB31CK-104X | CAPACITOR | 0.1µF,16V |
| C1102 | NCB31CK-223X | CAPACITOR | 0.022µF,16V |
| C1103 | NCB31CK-223X | CAPACITOR | 0.022µF,16V |
| C1104 | NCB30JK-105X | CAPACITOR | 1µF,6.3V |
| C1105 | NBE20JM-106X | T CAPACITOR | 10µF,6.3V |
| C1106 | NBE20JM-106X | T CAPACITOR | 10µF,6.3V |
| L503 | NQR0458-003X | COIL | |

| # ⚠ REF No. | PART No. | PART NAME, DESCRIPTION | |
|---|---|---|---|
| L551 | NQR0251-004X | FERRITE BEAD | |
| L552 | NQR0251-004X | FERRITE BEAD | |
| L553 | NQR0251-004X | FERRITE BEAD | |
| L555 | NQR0251-004X | FERRATE BEADS | |
| L556 | NQR0251-004X | FERRATE BEADS | |
| L1101 | NQL402M-100X | COIL | 10µH |
| J501 | NNZ0041-001X | D CONNECTOR | |
| J502 | QNZ0497-001 | USB CONNECTOR | |
| J504 | QND0087-001 | S JACK | |
| J505 | LY32575-001A | BATT.TERNIMAL | |
| J551 | QNA0027-001 | DC JACK | |
| J552 | QNS0078-001 | 3.5 JACK | |
| J553 | PEMC1203 | MINI JACK | |
| J554 | QNS0012-001 | 3.5 JACK | |
| CN501 | QGB0405M1-60X | CONNECTOR | |
| CN502 | QGA1001F1-03X | CONNECTOR | |
| CN503 | QGA1001F1-02X | CONNECTOR | |
| CN504 | QGA1001F1-04X | CONNECTOR | |
| OT1 | LY43642-001A | SHEET(TERM.) | |
| OT2 | LY30029-0Z8A | SPACER(A) | |

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## SD BOARD ASSEMBLY <06>

| | | | |
|---|---|---|---|
| PW | YB10379A | SD BOARD ASSY | |
| IC6601 | TC7W74FU | IC(DIGITAL) | |
| | or TC7WH74FU | IC(DIGITAL) | |
| Q6601 | DTC144EE | DIGI TRANSISTOR | |
| | or PDTC144EE | DIGI TRANSISTOR | |
| | or RN1104 | DIGI TRANSISTOR | |
| | or UN9213J | DIGI TRANSISTOR | |
| Q6602 | UMS1N | PAIR TRANSISTOR | |
| Q6611 | 2SA1774/RS/-X | TRANSISTOR | |
| Q6612 | UMS1N | PAIR TRANSISTOR | |
| Q6613 | 2SC4617/RS/-X | TRANSISTOR | |
| Q6614 | RN1702 | DIGI TRANSISTOR | |
| Q6615 | UMC4N | DIGI TRANSISTOR | |
| D8501 | EMZ6.8N | ZENER DIODE | |
| D8502 | UMZ6.8EN | ZENER DIODE | |
| R6601 | NRSA6AJ-822W | MG RESISTOR | 8.2kΩ,1/16W |
| R6603 | NRVA6AD-683W | CMF RESISTOR | 68kΩ,1/16W |
| R6604 | NRVA6AD-104W | CMF RESISTOR | 100kΩ,1/16W |
| R6605 | NRSA6AJ-184W | MG RESISTOR | 180kΩ,1/16W |
| R6606 | NRSA6AJ-823W | MG RESISTOR | 82kΩ,1/16W |
| R6611 | NRSA6AJ-335W | MG RESISTOR | 3.3MΩ,1/16W |
| R6612 | NRSA6AJ-474W | MG RESISTOR | 470kΩ,1/16W |
| R6613 | NRSA6AJ-473W | MG RESISTOR | 47kΩ,1/16W |
| R6614 | NRSA6AJ-473W | MG RESISTOR | 47kΩ,1/16W |
| R6615 | NRSA6AJ-474W | MG RESISTOR | 470kΩ,1/16W |
| R6616 | NRSA6AJ-273W | MG RESISTOR | 27kΩ,1/16W |
| R6617 | NRSA6AJ-103W | MG RESISTOR | 10kΩ,1/16W |
| R8501 | NRSA6AJ-473W | MG RESISTOR | 47kΩ,1/16W |
| R8502 | NRSA6AJ-473W | MG RESISTOR | 47kΩ,1/16W |
| R8503 | NRSA6AJ-103W | MG RESISTOR | 10kΩ,1/16W |
| R8504 | NRSA6AJ-103W | MG RESISTOR | 10kΩ,1/16W |
| R8505 | NRSA6AJ-473W | MG RESISTOR | 47kΩ,1/16W |
| R8506 | NRSA6AJ-104W | MG RESISTOR | 100kΩ,1/16W |
| C6601 | NCBA1CK-103W | CAPACITOR | 0.01µF,16V |
| C6602 | NCB21CK-105X | CAPACITOR | 1µF,16V |
| C6603 | NCBA1HK-102W | CAPACITOR | 0.001µF,50V |

| # | ⚠ | REF No. | PART No. | PART NAME, DESCRIPTION | |
|---|---|---|---|---|---|
| | | C6604 | NCBA1AK-473W | CAPACITOR | 0.047µF,10V |
| | | C6611 | NCBA1CK-223W | CAPACITOR | 0.022µF,16V |
| | | C6612 | NDCA1EJ-221W | CAPACITOR | 220pF,25V |
| | | C6613 | NDCA1EJ-121W | CAPACITOR | 120pF,25V |
| | | C8502 | NBE80JM-106X | T CAPACITOR | 10µF,6.3V |
| | | L6601 | NQR0006-001X | FERRITE BEAD | |
| | | L8501 | NQR0129-002X | FERRITE BEAD | |
| | | CN601 | QGF0508F1-20X | FPC CONNECTOR | |
| | | CN602 | QGF0508F1-12X | FPC CONNECTOR | |
| | | CN603 | NNZ0062-001X | SD CARD CONNECTOR | |

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## STROBE BOARD ASSEMBLY <07>

| | | | | |
|---|---|---|---|---|
| | | PW | YB10380A-01 | STROBE BOARD ASSY |
| | | IC6502 | TC7SET08FU | IC(DIGITAL) |
| | | Q6501 | 2SB1462J/RS/-X | TRANSISTOR |
| | | Q6502 | UN9211J | DIGI TRANSISTOR |
| | | | or DTC114EE | DIGI TRANSISTOR |
| | ⚠ | Q6503 | 2SB1124/ST/-X | TRANSISTOR |
| | | Q6504 | 2SD1628/FG/-X | TRANSISTOR |
| | | Q6506 | CT25ASJ-8-X | POW TRANSISTOR |
| | | D6501 | F1F16 | DIODE |
| | | D6502 | DA121 | DIODE |
| | | D6503 | F1SN4 | DIODE |
| | | D6504 | CRG02 | DIODE |
| | | R6501 | NRSA63J-3R9X | MG RESISTOR 3.9Ω,1/16W |
| | | R6502 | NRSA63J-4R7X | MG RESISTOR 4.7Ω,1/16W |
| | | R6504 | NRSA6AJ-471W | MG RESISTOR 470Ω,1/16W |
| | | R6505 | NRSA6AJ-222W | MG RESISTOR 2.2kΩ,1/16W |
| | | R6506 | NRSA6AJ-152W | MG RESISTOR 1.5kΩ,1/16W |
| | | R6507 | NRSA02J-106X | MG RESISTOR 10MΩ,1/10W |
| | | R6508 | NRVA63D-184X | CMF RESISTOR 180kΩ,1/16W |
| | | R6514 | NRSA02J-105X | MG RESISTOR 1MΩ,1/10W |
| | | R6515 | NRS181J-220X | MG RESISTOR 22Ω,1/8W |
| | | R6516 | NRSA02J-104X | MG RESISTOR 100kΩ,1/10W |
| | | R6519 | NRSA02J-106X | MG RESISTOR 10MΩ,1/10W |
| | | R6520 | NRSA6AJ-330W | MG RESISTOR 33Ω,1/16W |
| | | R6527 | NRSA6AJ-391W | MG RESISTOR 390Ω,1/16W |
| | | C6501 | NBE41AM-336X | T CAPACITOR 33µF,10V |
| | | C6502 | NBE41AM-226X | T CAPACITOR 22µF,10V |
| | | C6503 | NCBA1CK-103W | CAPACITOR 0.01µF,16V |
| | | C6506 | NCZ1008-333X | CAPACITOR 0.033µF,250V |
| | | C6507 | NCZ1008-473X | CAPACITOR 0.047µF,250V |
| | | C6508 | NCBA1CK-103W | CAPACITOR 0.01µF,16V |
| | | C6509 | NCZ1024-103X | CAPACITOR 0.01µF,250V |
| | | L6501 | NQS0042-001X | SW TRANSF |
| | | L6502 | NQL302N-100X | COIL 10µH |
| | | L6503 | NQL044K-470X | COIL 47µH |
| | | FW1 | QAL0403-001 | FPC,CN6501-SD CN602 |
| | | HD1 | LY43587-001A | HOLDER(STB)ASSY |
| | | WR1 | WJV0060-001A | E-PRIMARY WIRE,OT1-W(WHITE) |
| | | WR2 | QUB490-03A2A2 | WIRE,OT1-BK(BRACK) |
| | | CN6501 | QGF0513F2-12X | FPC CONNECTOR |
| | | OT1 | QEZ0450-326 | E CAPACITOR 32µF,10V |
| | | OT2 | LY30018-037A | SPECIAL SCREW |
| | | OT3 | LY41409-002A | SPACER(STROBO) |
| | | OT4 | LY30029-0Z4A | SPACER(A) |
| | | OT5 | LY32221-001A | STROBE ASSY |

| # | ⚠ | REF No. | PART No. | PART NAME, DESCRIPTION | |
|---|---|---|---|---|---|

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## AUDIO BOARD ASSEMBLY <08>

| | | | | |
|---|---|---|---|---|
| | | PW | YB10377B-01 | AUDIO BOARD ASSY |
| | | IC2101 | AK4550VT | IC |
| | | IC2201 | LA74206W | IC |
| | | IC2301 | BA4510FV | IC |
| | | IC7001 | TC7SH32FU | IC(DIGITAL) |
| | | Q2301 | 2SC4617/QR/-X | TRANSISTOR |
| | | | or 2SD2216J/QR/-X | TRANSISTOR |
| | | Q2302 | UMX18N | PAIR TRANSISTOR |
| | | Q2401 | 2SA1774/QR/-X | TRANSISTOR |
| | | Q2402 | DTC144EE | DIGI TRANSISTOR |
| | | | or PDTC144EE | DIGI TRANSISTOR |
| | | | or RN1104 | DIGI TRANSISTOR |
| | | | or UN9213J | DIGI TRANSISTOR |
| | | Q2403 | 2SC4617/QR/-X | TRANSISTOR |
| | | | or 2SD2216J/QR/-X | TRANSISTOR |
| | | Q2601 | 2SC4617/QR/-X | TRANSISTOR |
| | | | or 2SD2216J/QR/-X | TRANSISTOR |
| | | Q2602 | 2SC4617/QR/-X | TRANSISTOR |
| | | | or 2SD2216J/QR/-X | TRANSISTOR |
| | | Q7002 | 2SC4617/QR/-X | TRANSISTOR |
| | | Q7005 | 2SA1774/QR/-X | TRANSISTOR |
| | | R2001 | NRSA6AJ-103W | MG RESISTOR 10kΩ,1/16W |
| | | R2002 | NRSA6AJ-152W | MG RESISTOR 1.5kΩ,1/16W |
| | | R2003 | NRSA6AJ-182W | MG RESISTOR 1.8kΩ,1/16W |
| | | R2004 | NRSA6AJ-272W | MG RESISTOR 2.7kΩ,1/16W |
| | | R2101 | NRSA6AJ-471W | MG RESISTOR 470Ω,1/16W |
| | | R2102 | NRSA6AJ-471W | MG RESISTOR 470Ω,1/16W |
| | | R2103 | NRSA6AJ-0R0W | MG RESISTOR 0Ω,1/16W |
| | | R2201 | NRSA6AJ-103W | MG RESISTOR 10kΩ,1/16W |
| | | R2202 | NRSA6AJ-103W | MG RESISTOR 10kΩ,1/16W |
| | | R2205 | NRSA6AJ-472W | MG RESISTOR 4.7kΩ,1/16W |
| | | R2206 | NRSA6AJ-472W | MG RESISTOR 4.7kΩ,1/16W |
| | | R2207 | NRSA6AJ-2R7W | MG RESISTOR 2.7Ω,1/16W |
| | | R2208 | NRSA6AJ-2R7W | MG RESISTOR 2.7Ω,1/16W |
| | | R2209 | NRSA6AJ-102W | MG RESISTOR 1kΩ,1/16W |
| | | R2210 | NRSA6AJ-102W | MG RESISTOR 1kΩ,1/16W |
| | | R2211 | NRSA6AJ-103W | MG RESISTOR 10kΩ,1/16W |
| | | R2212 | NRSA6AJ-103W | MG RESISTOR 10kΩ,1/16W |
| | | R2213 | NRSA6AJ-681W | MG RESISTOR 680Ω,1/16W |
| | | R2214 | NRSA6AJ-104W | MG RESISTOR 100kΩ,1/16W |
| | | R2215 | NRSA6AJ-823W | MG RESISTOR 82kΩ,1/16W |
| | | R2301 | NRSA6AJ-183W | MG RESISTOR 18kΩ,1/16W |
| | | R2302 | NRSA6AJ-183W | MG RESISTOR 18kΩ,1/16W |
| | | R2303 | NRSA6AJ-183W | MG RESISTOR 18kΩ,1/16W |
| | | R2304 | NRSA6AJ-183W | MG RESISTOR 18kΩ,1/16W |
| | | R2305 | NRSA6AJ-184W | MG RESISTOR 180kΩ,1/16W |
| | | R2306 | NRSA6AJ-184W | MG RESISTOR 180kΩ,1/16W |
| | | R2307 | NRSA6AJ-473W | MG RESISTOR 47kΩ,1/16W |
| | | R2308 | NRSA6AJ-473W | MG RESISTOR 47kΩ,1/16W |
| | | R2309 | NRSA6AJ-473W | MG RESISTOR 47kΩ,1/16W |
| | | R2310 | NRSA6AJ-473W | MG RESISTOR 47kΩ,1/16W |
| | | R2311 | NRSA6AJ-103W | MG RESISTOR 10kΩ,1/16W |
| | | R2312 | NRSA6AJ-103W | MG RESISTOR 10kΩ,1/16W |
| | | R2313 | NRSA6AJ-564W | MG RESISTOR 560kΩ,1/16W |
| | | R2314 | NRSA6AJ-564W | MG RESISTOR 560kΩ,1/16W |
| | | R2315 | NRSA6AJ-332W | MG RESISTOR 3.3kΩ,1/16W |
| | | R2316 | NRSA6AJ-104W | MG RESISTOR 100kΩ,1/16W |
| | | R2317 | NRSA6AJ-104W | MG RESISTOR 100kΩ,1/16W |
| | | R2318 | NRSA6AJ-102W | MG RESISTOR 1kΩ,1/16W |

| # ⚠ REF No. | PART No. | PART NAME, DESCRIPTION | |
|---|---|---|---|
| R2319 | NRSA6AJ-103W | MG RESISTOR | 10kΩ,1/16W |
| R2401 | NRSA6AJ-473W | MG RESISTOR | 47kΩ,1/16W |
| R2402 | NRSA6AJ-332W | MG RESISTOR | 3.3kΩ,1/16W |
| R2403 | NRSA6AJ-822W | MG RESISTOR | 8.2kΩ,1/16W |
| R2404 | NRSA6AJ-473W | MG RESISTOR | 47kΩ,1/16W |
| R2407 | NRSA6AJ-560W | MG RESISTOR | 56Ω,1/16W |
| R2408 | NRSA6AJ-560W | MG RESISTOR | 56Ω,1/16W |
| R2601 | NRSA6AJ-222W | MG RESISTOR | 2.2kΩ,1/16W |
| R2602 | NRSA6AJ-222W | MG RESISTOR | 2.2kΩ,1/16W |
| R2603 | NRSA6AJ-472W | MG RESISTOR | 4.7kΩ,1/16W |
| R2604 | NRSA6AJ-472W | MG RESISTOR | 4.7kΩ,1/16W |
| R2605 | NRSA6AJ-682W | MG RESISTOR | 6.8kΩ,1/16W |
| R2606 | NRSA6AJ-682W | MG RESISTOR | 6.8kΩ,1/16W |
| R2609 | NRSA6AJ-472W | MG RESISTOR | 4.7kΩ,1/16W |
| R2610 | NRSA6AJ-472W | MG RESISTOR | 4.7kΩ,1/16W |
| R2611 | NRSA6AJ-472W | MG RESISTOR | 4.7kΩ,1/16W |
| R2612 | NRSA6AJ-472W | MG RESISTOR | 4.7kΩ,1/16W |
| R2613 | NRSA6AJ-332W | MG RESISTOR | 3.3kΩ,1/16W |
| R2614 | NRSA6AJ-332W | MG RESISTOR | 3.3kΩ,1/16W |
| R2615 | NRSA6AJ-123W | MG RESISTOR | 12kΩ,1/16W |
| R2616 | NRSA6AJ-123W | MG RESISTOR | 12kΩ,1/16W |
| R2617 | NRSA6AJ-333W | MG RESISTOR | 33kΩ,1/16W |
| R2618 | NRSA6AJ-333W | MG RESISTOR | 33kΩ,1/16W |
| R2619 | NRSA6AJ-153W | MG RESISTOR | 15kΩ,1/16W |
| R2620 | NRSA6AJ-153W | MG RESISTOR | 15kΩ,1/16W |
| R2621 | NRSA6AJ-153W | MG RESISTOR | 15kΩ,1/16W |
| R2622 | NRSA6AJ-153W | MG RESISTOR | 15kΩ,1/16W |
| R7005 | NRSA6AJ-271W | MG RESISTOR | 270Ω,1/16W |
| R7007 | NRSA6AJ-0R0W | MG RESISTOR | 0Ω,1/16W |
| R7011 | NRSA6AJ-562W | MG RESISTOR | 5.6kΩ,1/16W |
| R7012 | NRSA6AJ-102W | MG RESISTOR | 1kΩ,1/16W |
| C2101 | NCB30JK-105X | CAPACITOR | 1μF,6.3V |
| C2102 | NCB30JK-105X | CAPACITOR | 1μF,6.3V |
| C2103 | NCBA1HK-222W | CAPACITOR | 0.0022μF,50V |
| C2104 | NCBA1HK-222W | CAPACITOR | 0.0022μF,50V |
| C2105 | NBE20JM-475X | T CAPACITOR | 4.7μF,6.3V |
| C2106 | NCBA1AK-104W | CAPACITOR | 0.1μF,10V |
| C2107 | NCBA1AK-104W | CAPACITOR | 0.1μF,10V |
| C2108 | NBE20JM-106X | T CAPACITOR | 10μF,6.3V |
| C2201 | NCB20JK-225X | CAPACITOR | 2.2μF,6.3V |
| C2202 | NCB20JK-225X | CAPACITOR | 2.2μF,6.3V |
| C2207 | NBE90JM-106X | T CAPACITOR | 10μF,6.3V |
| C2208 | NBE90JM-106X | T CAPACITOR | 10μF,6.3V |
| C2209 | NCB30JK-105X | CAPACITOR | 1μF,6.3V |
| C2210 | NCB30JK-105X | CAPACITOR | 1μF,6.3V |
| C2211 | NCBA1AK-104W | CAPACITOR | 0.1μF,10V |
| C2212 | NCBA1AK-104W | CAPACITOR | 0.1μF,10V |
| C2213 | NBE20JM-106X | T CAPACITOR | 10μF,6.3V |
| C2214 | NBE20JM-475X | T CAPACITOR | 4.7μF,6.3V |
| C2215 | NCBA1AK-104W | CAPACITOR | 0.1μF,10V |
| C2217 | NBE20JM-106X | T CAPACITOR | 10μF,6.3V |
| C2218 | NCBA1CK-103W | CAPACITOR | 0.01μF,16V |
| C2219 | NCBA1AK-104W | CAPACITOR | 0.1μF,10V |
| C2220 | NCBA1AK-104W | CAPACITOR | 0.1μF,10V |
| C2221 | NCBA1CK-103W | CAPACITOR | 0.01μF,16V |
| C2222 | NCB30JK-105X | CAPACITOR | 1μF,6.3V |
| C2301 | NCB30JK-105X | CAPACITOR | 1μF,6.3V |
| C2302 | NCB30JK-105X | CAPACITOR | 1μF,6.3V |
| C2303 | NCB30JK-105X | CAPACITOR | 1μF,6.3V |
| C2304 | NCB30JK-105X | CAPACITOR | 1μF,6.3V |
| C2305 | NCB30JK-105X | CAPACITOR | 1μF,6.3V |
| C2306 | NCB30JK-105X | CAPACITOR | 1μF,6.3V |
| C2307 | NCB31CK-104X | CAPACITOR | 0.1μF,16V |

| # ⚠ REF No. | PART No. | PART NAME, DESCRIPTION | |
|---|---|---|---|
| C2308 | NCB30JK-105X | CAPACITOR | 1μF,6.3V |
| C2402 | NBE20JM-106X | T CAPACITOR | 10μF,6.3V |
| C2403 | NBE41AM-106X | T CAPACITOR | 10μF,10V |
| C2404 | NBE40JM-476X | T CAPACITOR | 47μF,6.3V |
| C2603 | NCB31CK-223X | CAPACITOR | 0.022μF,16V |
| C2604 | NCB31CK-223X | CAPACITOR | 0.022μF,16V |
| C2605 | NCB31CK-104X | CAPACITOR | 0.1μF,16V |
| C2606 | NCB31CK-104X | CAPACITOR | 0.1μF,16V |
| C2607 | NBE20JM-475X | T CAPACITOR | 4.7μF,6.3V |
| C2608 | NBE20JM-475X | T CAPACITOR | 4.7μF,6.3V |
| C2609 | NCB31CK-273X | CAPACITOR | 0.027μF,16V |
| C2610 | NCB31CK-273X | CAPACITOR | 0.027μF,16V |
| C2613 | NCB31CK-333X | CAPACITOR | 0.033μF,16V |
| C2614 | NCB31CK-333X | CAPACITOR | 0.033μF,16V |
| C2615 | NCBA1HK-332W | CAPACITOR | 0.0033μF,50V |
| C2616 | NCBA1HK-332W | CAPACITOR | 0.0033μF,50V |
| C2619 | NCBA1HK-152W | CAPACITOR | 0.0015μF,50V |
| C2620 | NCBA1HK-152W | CAPACITOR | 0.0015μF,50V |
| C2621 | NCBA1CK-103W | CAPACITOR | 0.01μF,16V |
| C2622 | NCBA1CK-103W | CAPACITOR | 0.01μF,16V |
| C2623 | NCB30JK-105X | CAPACITOR | 1μF,6.3V |
| C2624 | NCB30JK-105X | CAPACITOR | 1μF,6.3V |
| C2625 | NCB31CK-104X | CAPACITOR | 0.1μF,16V |
| C2626 | NCB31CK-104X | CAPACITOR | 0.1μF,16V |
| C2627 | NBE20GM-336X | T CAPACITOR | 33μF,4.0V |
| C7001 | NCBA1AK-104W | CAPACITOR | 0.1μF,10V |
| C7002 | NCB21CK-105X | CAPACITOR | 1μF,16V |
| C7005 | NDCA1EJ-221W | CAPACITOR | 220pF,25V |
| C7006 | NCBA1AK-104W | CAPACITOR | 0.1μF,10V |
| L2101 | NQL402M-100X | COIL | 10μH |
| L2402 | NQL315K-220X | COIL | 22μH |
| L2601 | NRSA63J-0R0X | MG RESISTOR | 0Ω,1/16W |
| L2602 | NRSA63J-0R0X | MG RESISTOR | 0Ω,1/16W |
| L2603 | NRSA63J-0R0X | MG RESISTOR | 0Ω,1/16W |
| L7002 | NQL04DK-100X | COIL | 10μH |
| S2001 | NSW0160-001X | TACT SWITCH,STOP/D.SOUND/SELECT | |
| S2002 | NSW0160-001X | TACT SWITCH,REW/FOCUS | |
| S2003 | NSW0160-001X | TACT SWITCH,FF/NIGHT | |
| S2004 | NSW0160-001X | TACT SWITCH,PLAY/PAUSE/BACKLIGHT | |
| S2005 | NSW0099-001X | SLIDE SWITCH,VIDEO/MEMORY | |
| S2006 | NSW0177-001X | PUSH SWITCH,VF SW | |
| S2007 | NSW0177-001X | PUSH SWITCH,OPEN/EJECT | |
| CN801 | QGB0406M1-60X | CONNECTOR | |
| CN802 | QGF0517F2-20X | FPC CONNECTOR | |
| CN803 | QGA1001F1-04X | CONNECTOR | |

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## B/W VF BOARD ASSEMBLY <09>

| | | | |
|---|---|---|---|
| PW | YB10382A-01 | B/W VF BOARD ASSY | |
| IC7001 | MCVVQ111FB | IC | |
| Q7001 | PUMX1 | PAIR TRANSISTOR | |
| D7001 | NSCW100A0/ST/-X | LE DIODE | |
| D7002 | MA111 | DIODE | |
| R7001 | NRSA63J-103X | MG RESISTOR | 10kΩ,1/16W |
| R7002 | NRSA63J-182X | MG RESISTOR | 1.8kΩ,1/16W |
| R7003 | NRSA63J-183X | MG RESISTOR | 18kΩ,1/16W |
| R7006 | NRVA63D-333X | CMF RESISTOR | 33kΩ,1/16W |
| R7007 | NRVA63D-153X | CMF RESISTOR | 15kΩ,1/16W |
| R7008 | NRVA63D-473X | CMF RESISTOR | 47kΩ,1/16W |

| # ⚠ REF No. | PART No. | PART NAME, DESCRIPTION | |
|---|---|---|---|
| R7009 | NRSA63J-682X | MG RESISTOR | 6.8kΩ,1/16W |
| R7010 | NRSA63J-102X | MG RESISTOR | 1kΩ,1/16W |
| R7011 | NRSA63J-332X | MG RESISTOR | 3.3kΩ,1/16W |
| R7012 | NRSA63J-561X | MG RESISTOR | 560Ω,1/16W |
| R7013 | NRSA63J-470X | MG RESISTOR | 47Ω,1/16W |
| VR7001 | NVP0016-223X | TRIM RESISTOR,GAIN | |
| C7001 | NCF31CZ-104X | CAPACITOR | 0.1µF,16V |
| C7002 | NCF31CZ-104X | CAPACITOR | 0.1µF,16V |
| C7003 | NCB21AK-105X | CAPACITOR | 1µF,10V |
| C7004 | NCB31EK-223X | CAPACITOR | 0.022µF,25V |
| C7005 | NCB31EK-103X | CAPACITOR | 0.01µF,25V |
| C7006 | NCF21CZ-105X | CAPACITOR | 1µF,16V |
| C7007 | NCF31CZ-104X | CAPACITOR | 0.1µF,16V |
| C7008 | NCF31CZ-104X | CAPACITOR | 0.1µF,16V |
| C7009 | NCF31CZ-104X | CAPACITOR | 0.1µF,16V |
| C7010 | NCF31CZ-104X | CAPACITOR | 0.1µF,16V |
| C7011 | NCB31HK-102X | CAPACITOR | 0.001µF,50V |
| C7012 | NCB31EK-103X | CAPACITOR | 0.01µF,25V |
| C7013 | NCF31CZ-104X | CAPACITOR | 0.1µF,16V |
| C7014 | NCF31CZ-104X | CAPACITOR | 0.1µF,16V |
| C7015 | NCB31EK-103X | CAPACITOR | 0.01µF,25V |
| C7016 | NCB11CK-475X | CAPACITOR | 4.7µF,16V |
| C7017 | NCB10JK-106X | CAPACITOR | 10µF,6.3V |
| L7001 | NQL38DK-100X | COIL | 10µH |
| L7002 | NQL38DK-100X | COIL | 10µH |
| CN7001 | QGF0517F2-20X | FPC CONNECTOR | |
| CN7002 | QGF0517F2-20X | FPC CONNECTOR | |

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### W/B BOARD ASSEMBLY <11>

| | | | |
|---|---|---|---|
| PW2 | YB10378A2 | W/B BOARD ASSY | |
| Q1151 | RPM-22PB | PHOTO TRANSISTOR | |
| R1151 | NRSA63J-302X | MG RESISTOR | 3kΩ,1/16W |
| C1151 | NBE90JM-106X | T CAPACITOR | 10µF,6.3V |
| C1152 | NCB21EK-683X-R | CAPACITOR | 0.068µF,25V |
| L1151 | NQR0265-001X | FERRITE BEAD | |
| WR1 | WJM0267-001A | E-SI C WIRE C-F,W/B-JACK CN503 | |

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### MONI SW BOARD ASSEMBLY <12>

| | | |
|---|---|---|
| PW3 | YB10378A3 | MONI SW BOARD ASSY |
| S1901 | NSW0177-001X | PUSH SWITCH,MONITOR SW |
| WR1 | WJM0268-001A | E-SI C WIRE C-F,MONI SW-JACK CN502 |

**********

### MENU BOARD ASSEMBLY <13>

| | | |
|---|---|---|
| PW4 | YB10378A4 | MENU SW BOARD ASSY |
| S501 | NSW0078-001 | ROTARY ENCODER,MENU7/BRIGHT |
| WR1 | WJM0269-001A | E-SI C WIRE C-F,MENU-JACK CN504 |

| # ⚠ REF No. | PART No. | PART NAME, DESCRIPTION |
|---|---|---|

# SECTION 4
# CHARTS AND DIAGRAMS

## NOTES OF SCHEMATIC DIAGRAM

**Safety precautions**
**The Components identified by the symbol ⚠ are critical for safety. For continued safety, replace safety critical components only with manufacturer's recommended parts.**

### 1. Units of components on the schematic diagram

Unless otherwise specified.

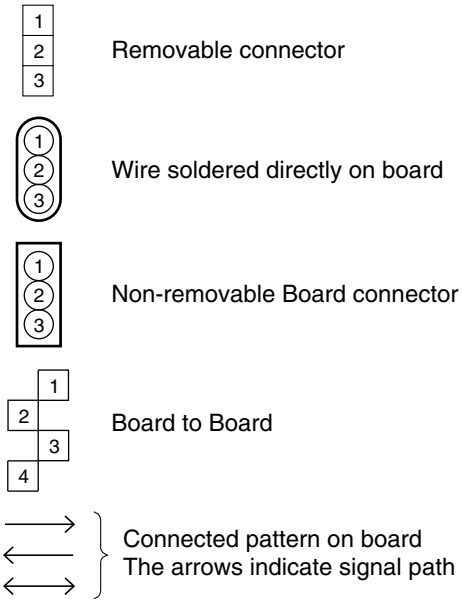
1) All resistance values are in ohm. 1/6 W, 1/8 W (refer to parts list).
   Chip resistors are 1/16 W.
   K: KΩ (1000Ω), M: MΩ (1000KΩ)
2) All capacitance values are in μF, (P: PF).
3) All inductance values are in μH, (m: mH).
4) All diodes are 1SS133, MA165 or 1N4148M (refer to parts list).

### 2. Indications of control voltage

AUX : Active at high.

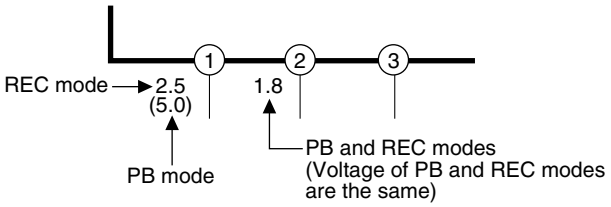
$\overline{AUX}$ or AUX(L) : Active at low.

### 3. Interpreting Connector indications




### 4. Voltage measurement

1) Regulator (DC/DC CONV) circuits
   REC : Colour bar signal.
   PB : Alignment tape (Colour bar).
   — : Unmeasurable or unnecessary to measure.
4) Indication on schematic diagram
   Voltage Indications for REC and PB mode on the schematic diagram are as shown below.

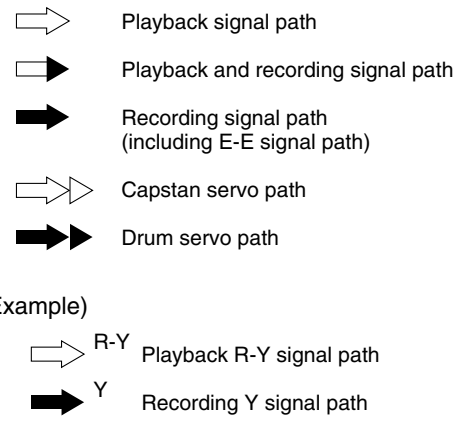



**Note: If the voltages are not indicated on the schematic diagram, refer to the voltage charts.**

### 5. Signal path Symbols

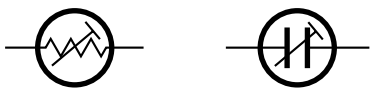
The arrows indicate the signal path as follows.

**NOTE : The arrow is DVC unique object.**




### 6. Indication of the parts for adjustments

The parts for the adjustments are surrounded with the circle as shown below.



### 7. Indication of the parts not mounted on the circuit board

"OPEN" is indicated by the parts not mounted on the circuit board.

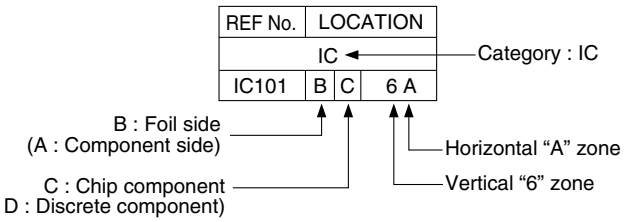
## CIRCUIT BOARD NOTES

**1. Foil and Component sides**

1) Foil side (B side) :
   Parts on the foil side seen from foil face (pattern face) are indicated.
2) Component side (A side) :
   Parts on the component side seen from component face (parts face) indicated.

**2. Parts location guides**

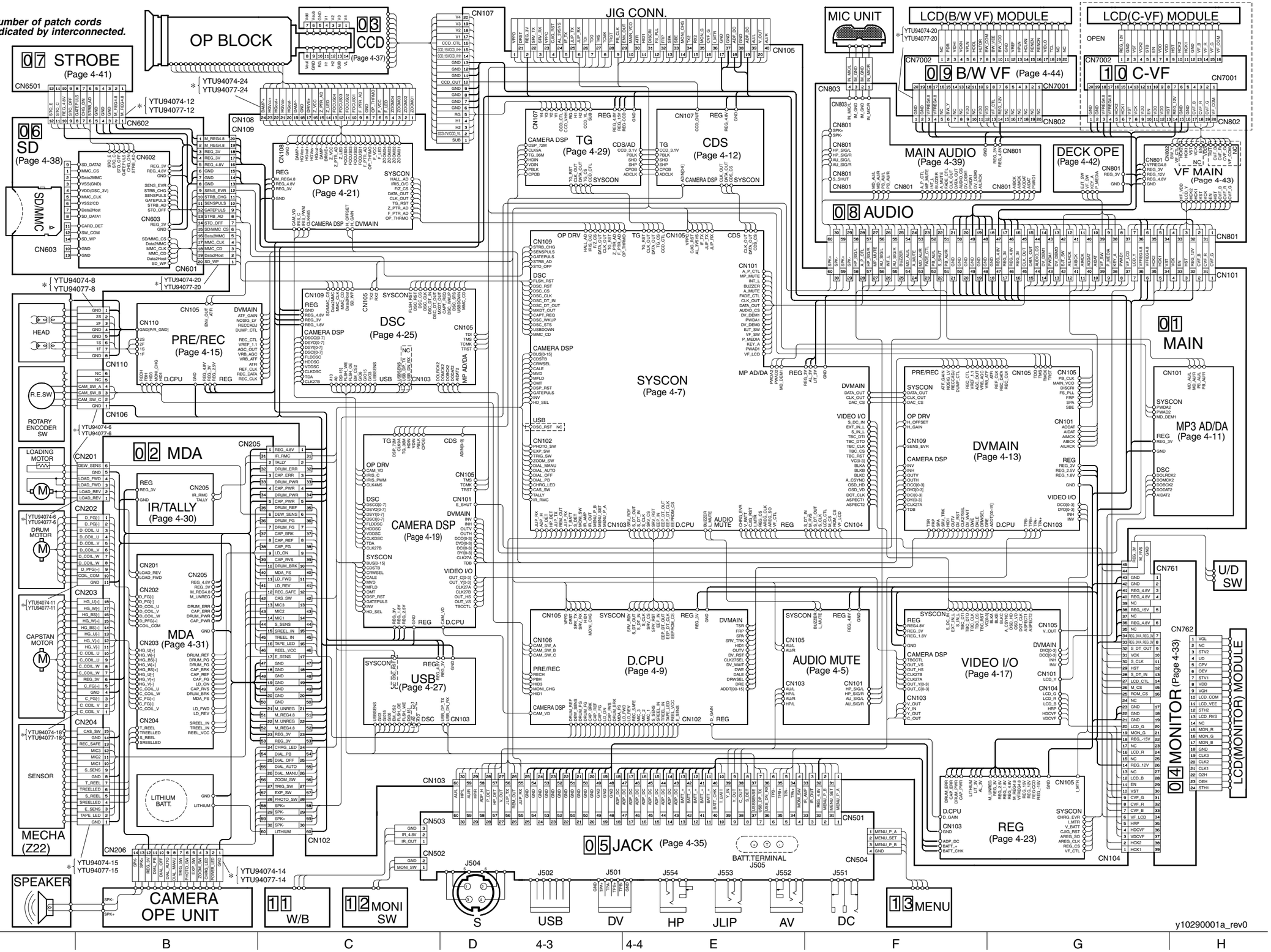
Parts location are indicated by guide scale on the circuit board.




**Note: For general information in service manual, please refer to the Service Manual of GENERAL INFORMATION Edition 4 No. 82054D (January 1994).**

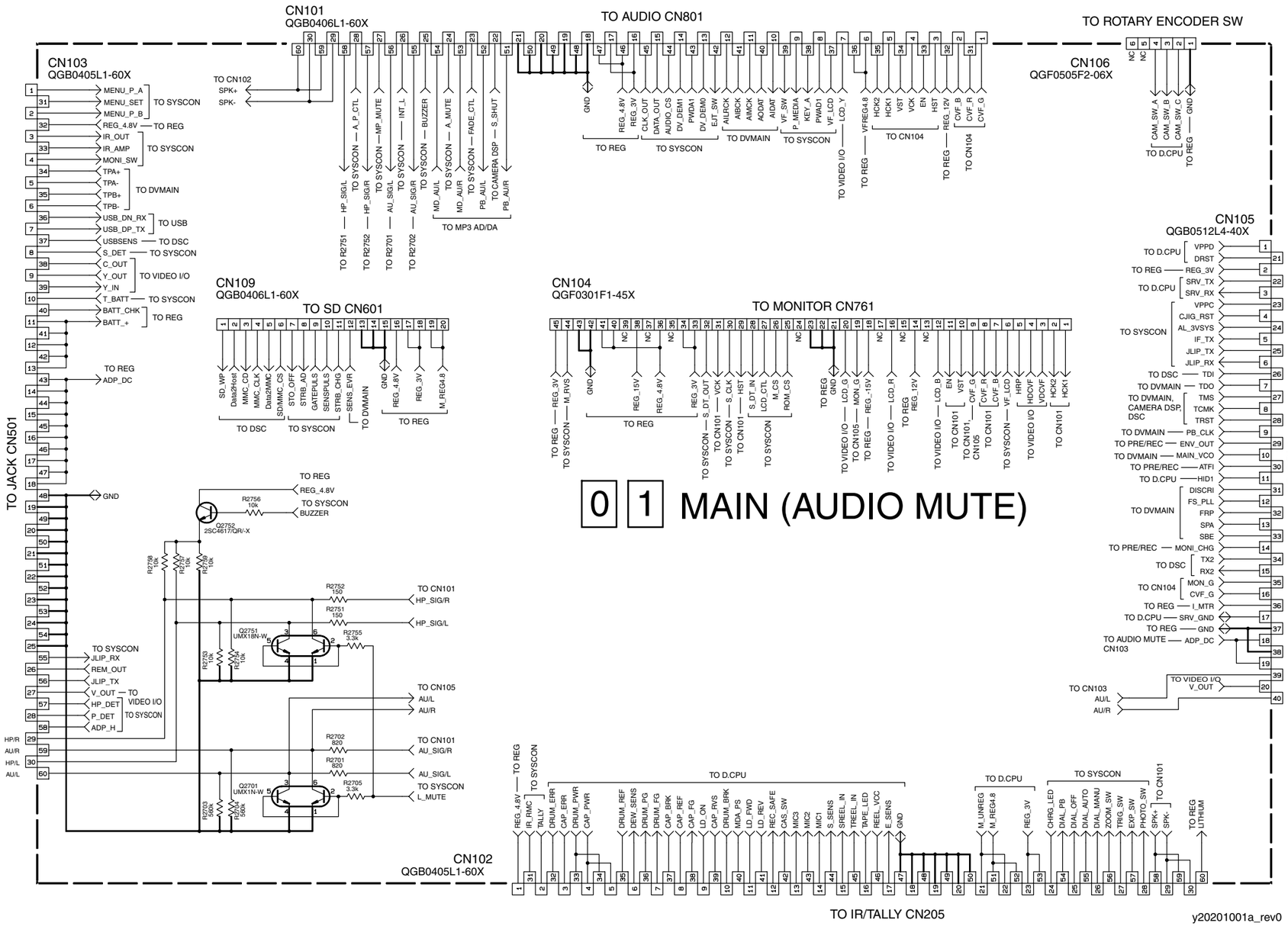
## 4.1 BOARD INTERCONNECTIONS

***NOTE )* : The number of patch cords are indicated by interconnected.***



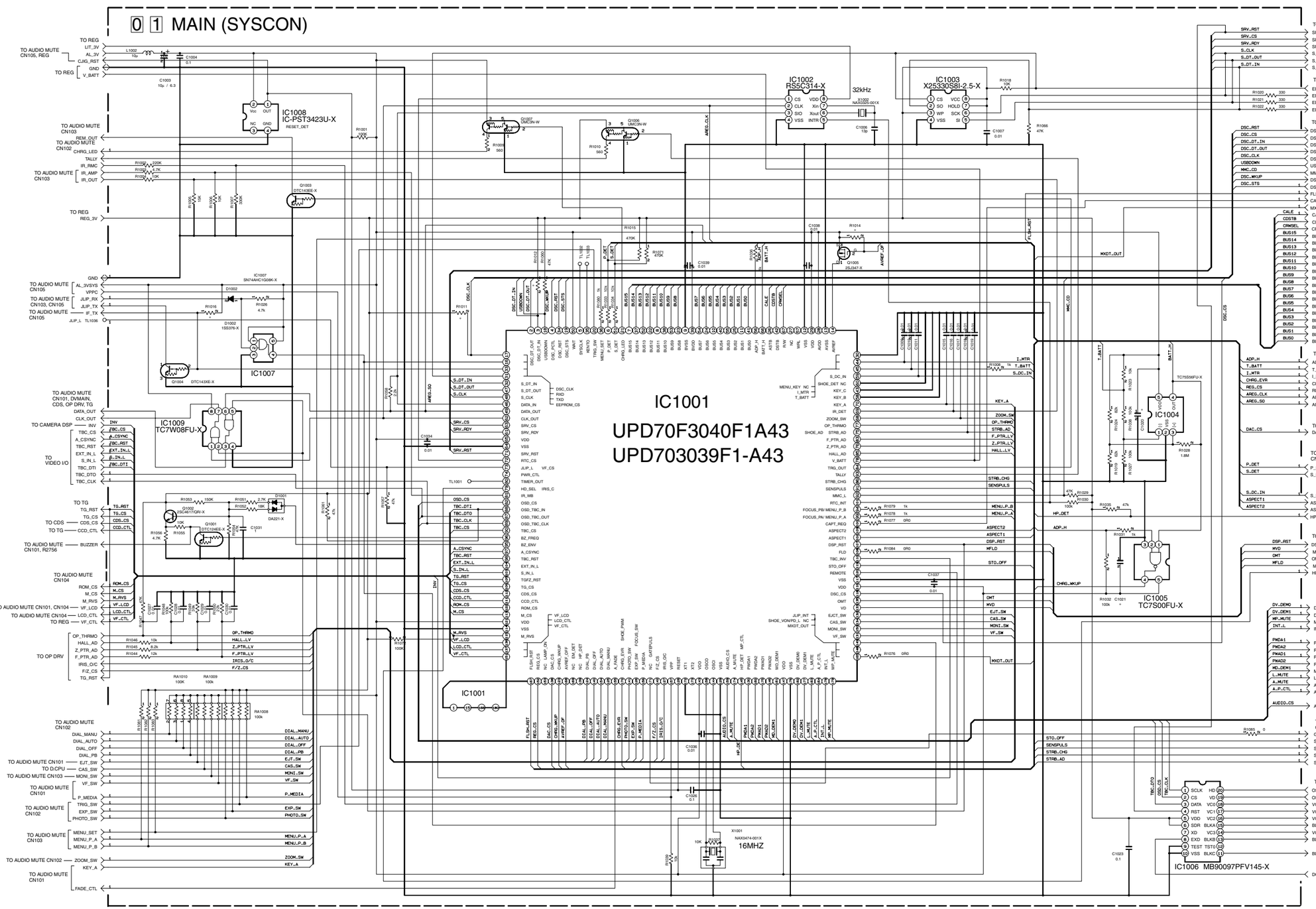
## 4.2 AUDIO MUTE SCHEMATIC DIAGRAM

*NOTES :* ● *For the destination of each signal and further line connections that are cut off from this diagram, refer to "4.1 BOARD INTERCONNECTIONS".*
● *When ordering parts, be sure to order according to the Part Number indicated in the Parts List.*



## 4.3 SYSCON SCHEMATIC DIAGRAM

*NOTES :*
- *For the destination of each signal and further line connections that are cut off from this diagram, refer to "4.1 BOARD INTERCONNECTIONS".*
- *When ordering parts, be sure to order according to the Part Number indicated in the Parts List.*

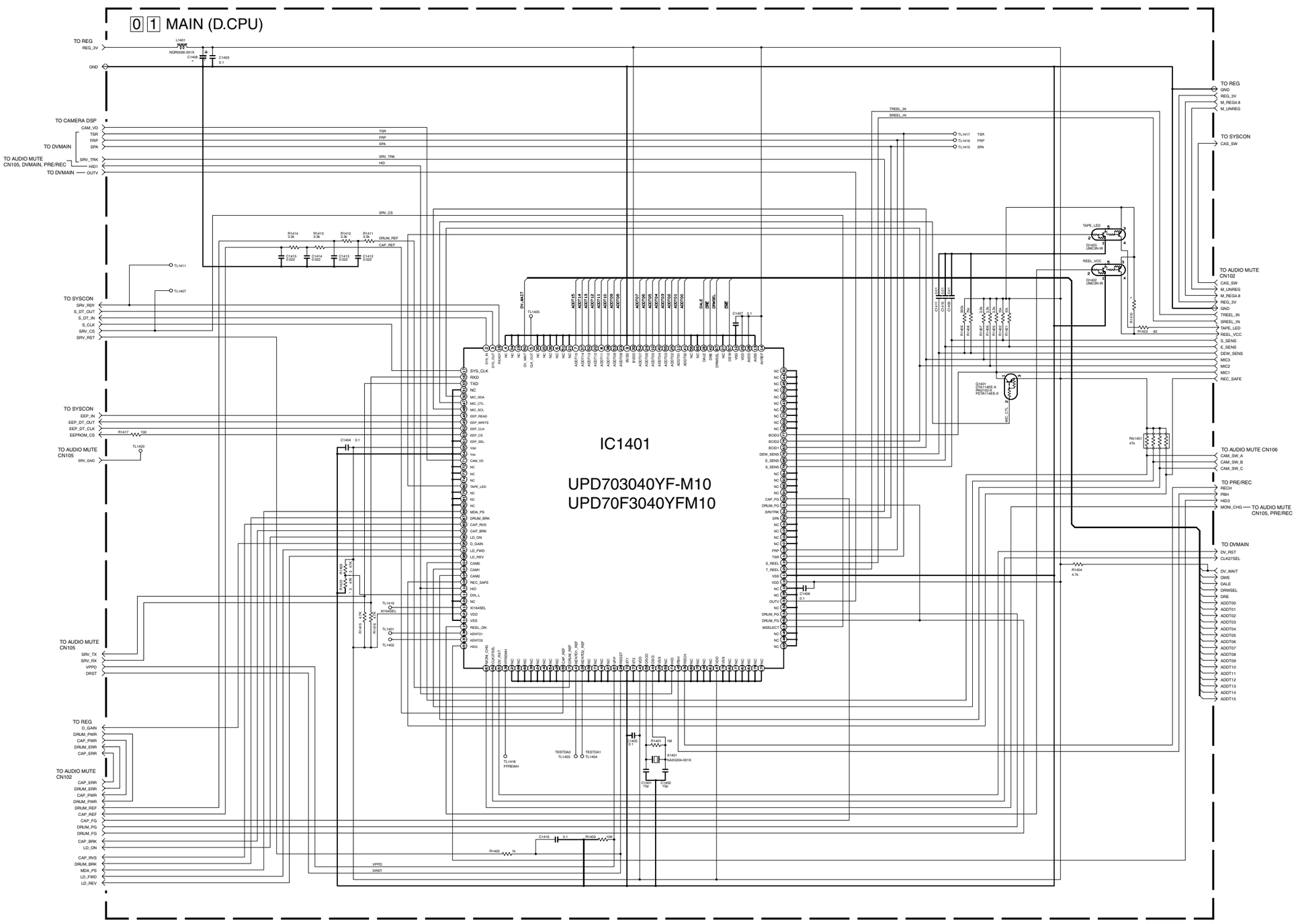



NOTE : The parts with marked (*) is not used.

y10291001a_rev0

## 4.4 D.CPU SCHEMATIC DIAGRAM

*NOTES :* ● *For the destination of each signal and further line connections that are cut off from this diagram, refer to "4.1 BOARD INTERCONNECTIONS".*
● *When ordering parts, be sure to order according to the Part Number indicated in the Parts List.*




NOTE : The parts with marked (*) is not used.

y10292001a_rev0

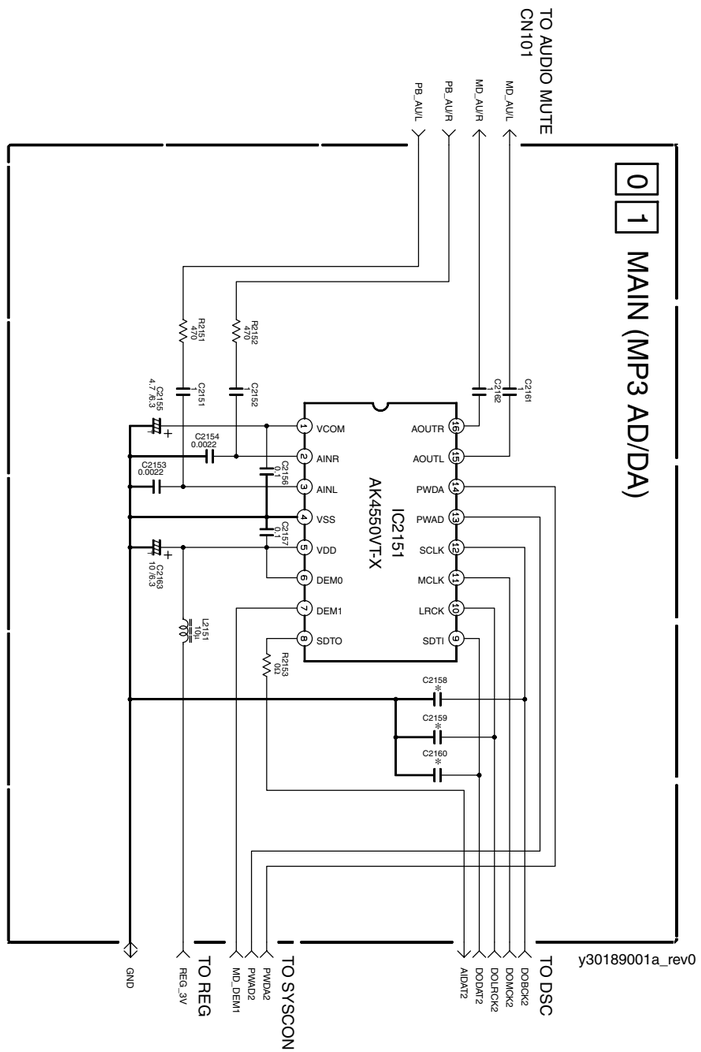
# Exchange parts list

| | R1425 | R1426 |
|---|---|---|
| With DV INPUT MODEL | 47k | * |
| Without DV INPUT MODEL | * | 47k |

## 4.5 MP3 AD/DA AND CDS SCHEMATIC DIAGRAMS

- MP3 AD/DA -

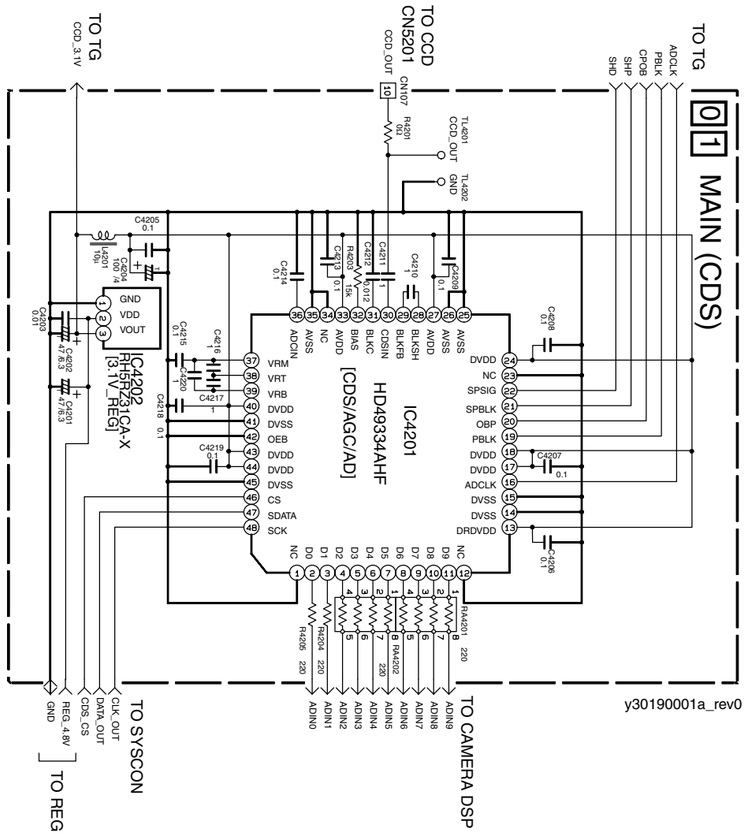
*NOTES :* ● *For the destination of each signal and further line connections that are cut off from this diagram, refer to "4.1 BOARD INTERCONNECTIONS".*
● *When ordering parts, be sure to order according to the Part Number indicated in the Parts List.*




NOTE : The parts with marked (※) is not used.

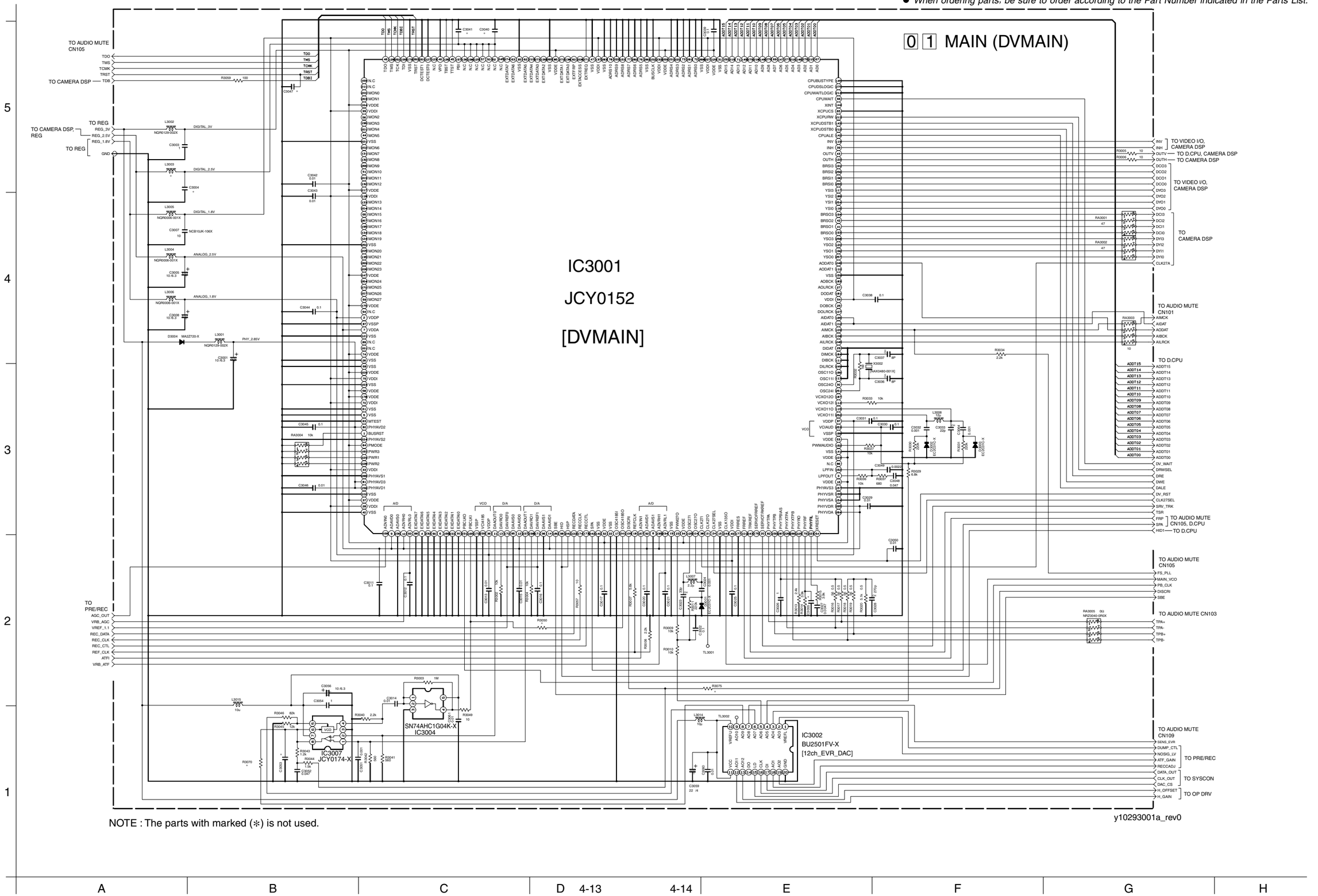
- CDS -

*NOTES :* ● *For the destination of each signal and further line connections that are cut off from this diagram, refer to "4.1 BOARD INTERCONNECTIONS".*
● *When ordering parts, be sure to order according to the Part Number indicated in the Parts List.*



## 4.6 DVMAIN SCHEMATIC DIAGRAM

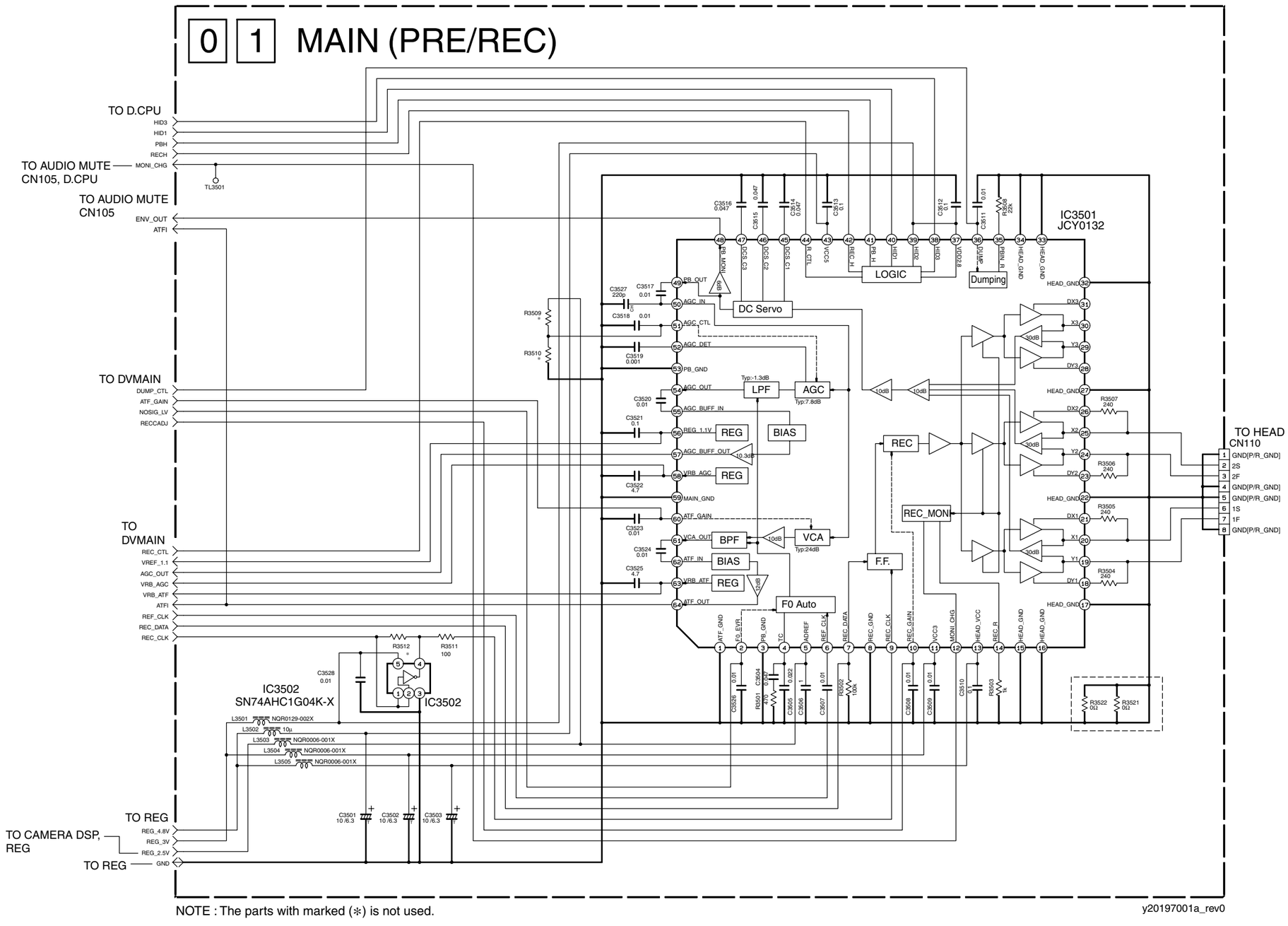
*NOTES :*
- *For the destination of each signal and further line connections that are cut off from this diagram, refer to "4.1 BOARD INTERCONNECTIONS".*
- *When ordering parts, be sure to order according to the Part Number indicated in the Parts List.*




NOTE : The parts with marked (*) is not used.

## 4.7 PRE/REC SCHEMATIC DIAGRAM

*NOTES :* ● *For the destination of each signal and further line connections that are cut off from this diagram, refer to "4.1 BOARD INTERCONNECTIONS".*
● *When ordering parts, be sure to order according to the Part Number indicated in the Parts List.*

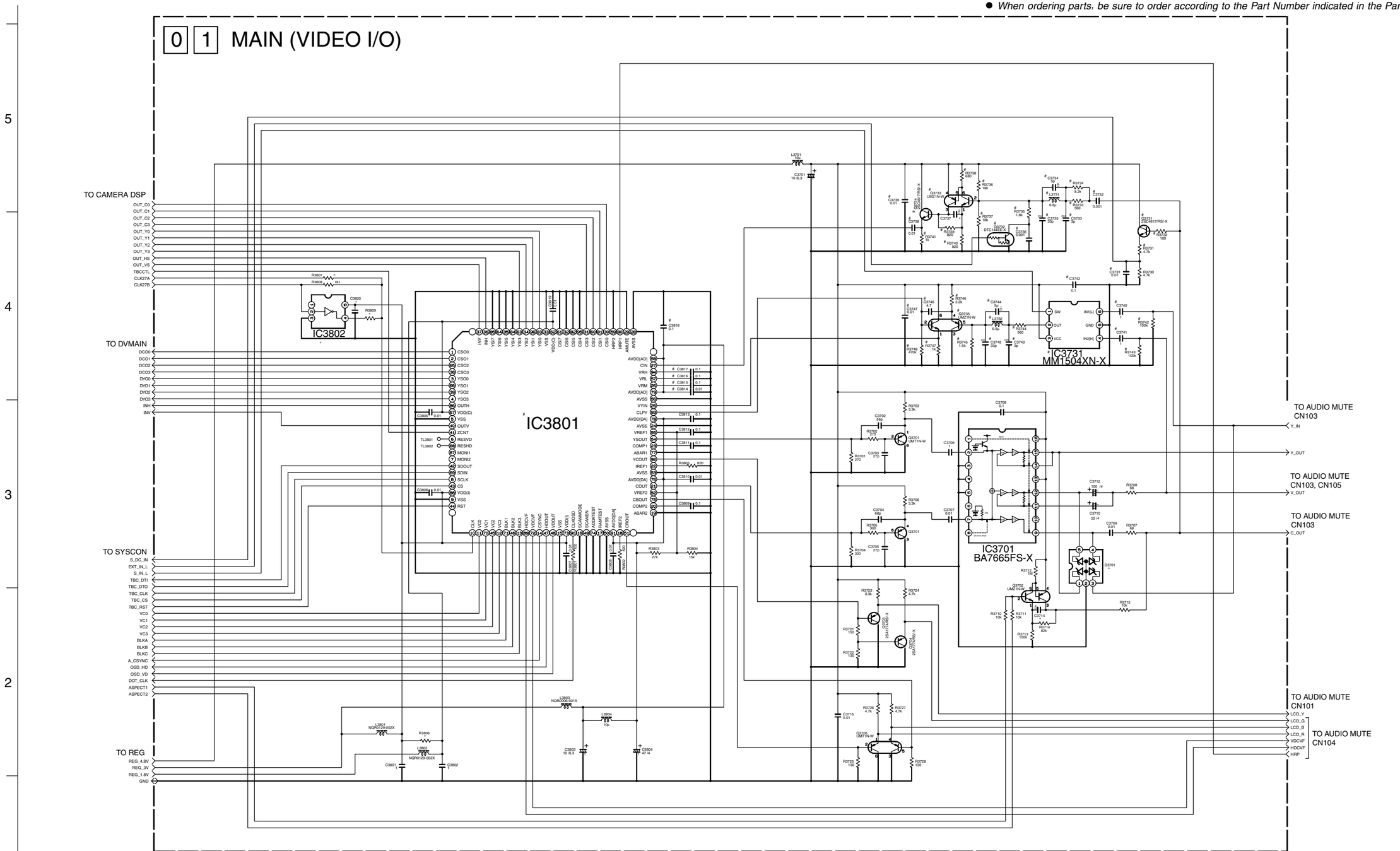



NOTE : The parts with marked (∗) is not used.

y20197001a_rev0

## 4.8 VIDEO I/O SCHEMATIC DIAGRAM

*NOTES :*
- *For the destination of each signal and further line connections that are cut off from this diagram, refer to "4.1 BOARD INTERCONNECTIONS".*
- *When ordering parts, be sure to order according to the Part Number indicated in the Parts List.*




NOTE : The parts with marked (*) is not used.

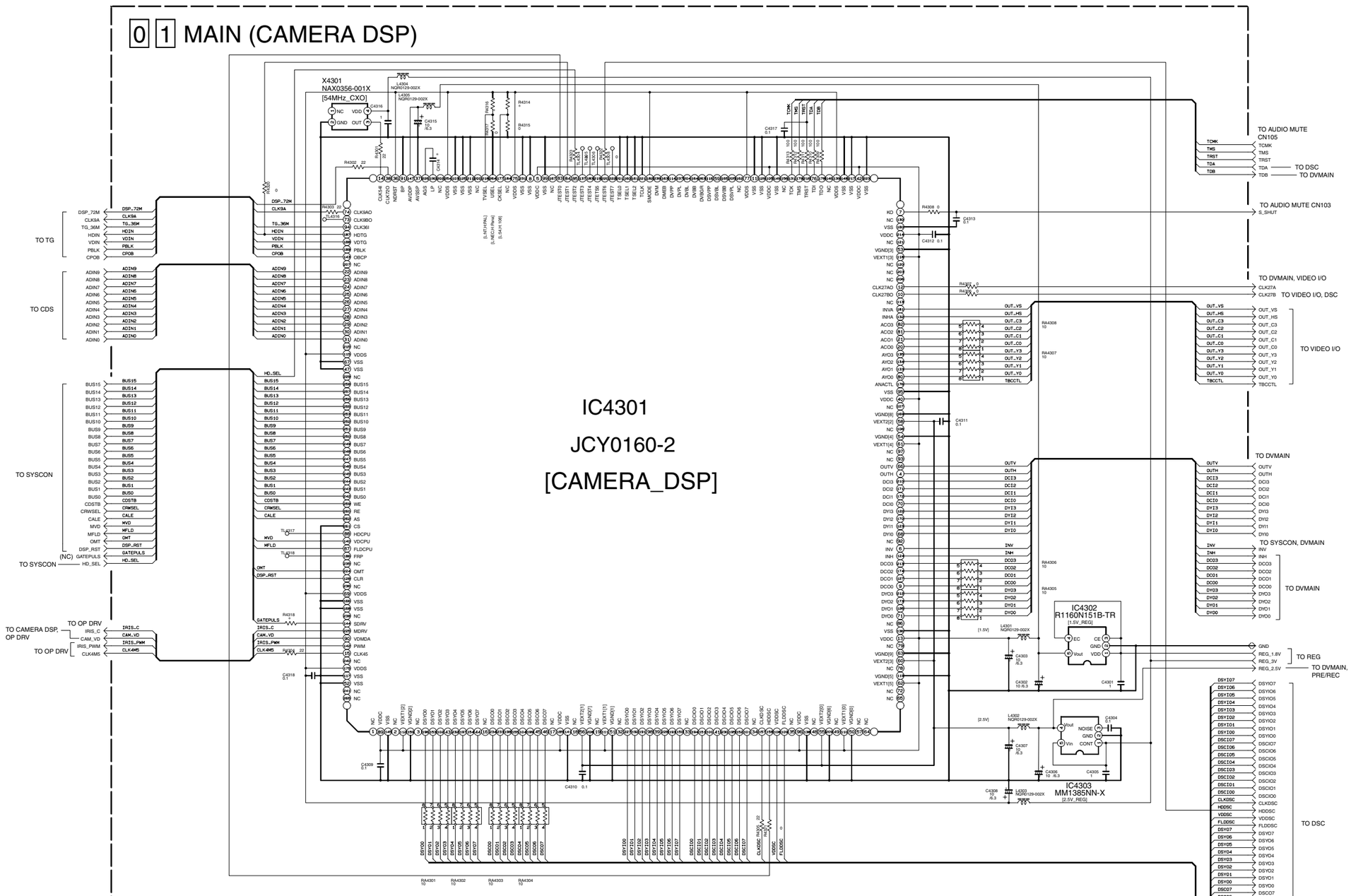
y20202001a_rev0

# : EXCHANGE PARTS LIST

| | WITH ANALOG INPUT | WITHOUT ANALOG INPUT |
|---|---|---|
| IC3731 | WARE | NO WARE |
| Q3731-Q3735 | WARE | NO WARE |
| L3731,L3732 | WARE | NO WARE |
| R3731-R3748 | WARE | NO WARE |
| C3731-C3747 | WARE | NO WARE |
| IC3801 | JCP8045 | JCP8055 |
| C3814-C3818 | WARE | NO WARE |

## 4.9 CAMERA DSP SCHEMATIC DIAGRAM

*NOTES :* ● *For the destination of each signal and further line connections that are cut off from this diagram, refer to "4.1 BOARD INTERCONNECTIONS".*
● *When ordering parts, be sure to order according to the Part Number indicated in the Parts List.*

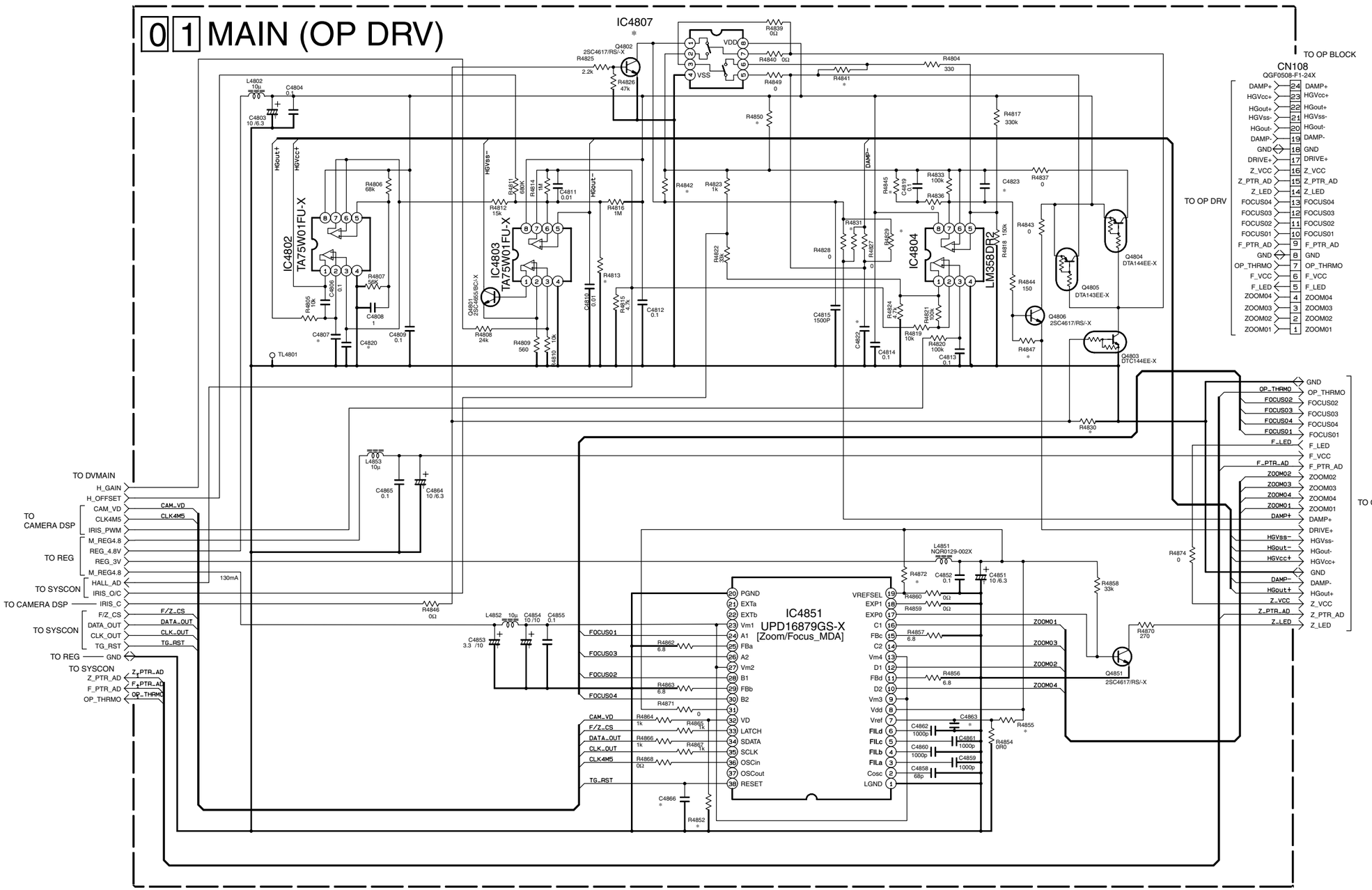



NOTE : The parts with marked (*) is not used.

y10294001a_rev0

## 4.10 OP DRV SCHEMATIC DIAGRAM

*NOTES :* ● *For the destination of each signal and further line connections that are cut off from this diagram, refer to "4.1 BOARD INTERCONNECTIONS".*
● *When ordering parts, be sure to order according to the Part Number indicated in the Parts List.*

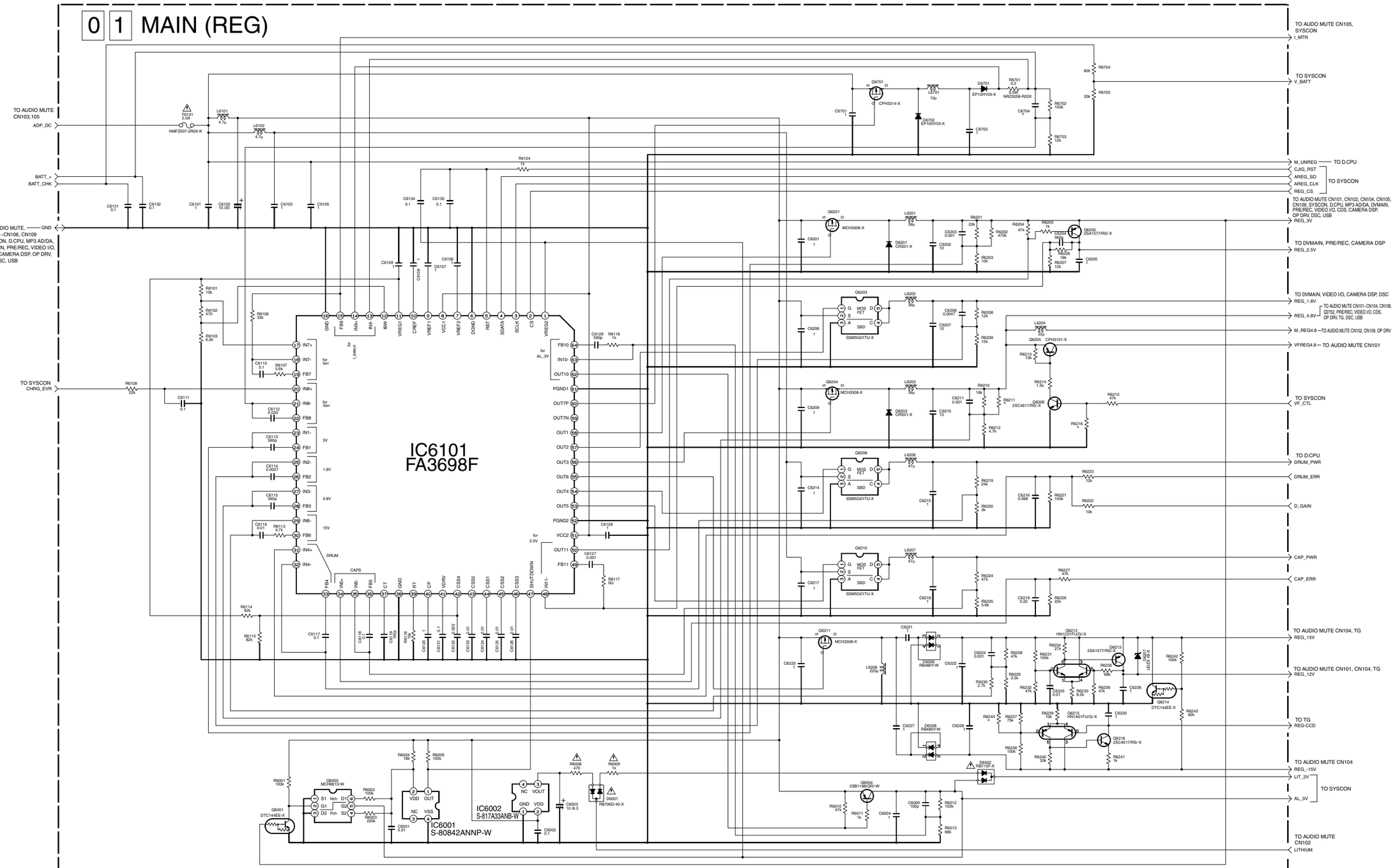



NOTE : The parts with marked (*) is not used.

y20203001a_rev0

## 4.11 REG SCHEMATIC DIAGRAM

*NOTES :*
- *For the destination of each signal and further line connections that are cut off from this diagram, refer to "4.1 BOARD INTERCONNECTIONS".*
- *When ordering parts, be sure to order according to the Part Number indicated in the Parts List.*

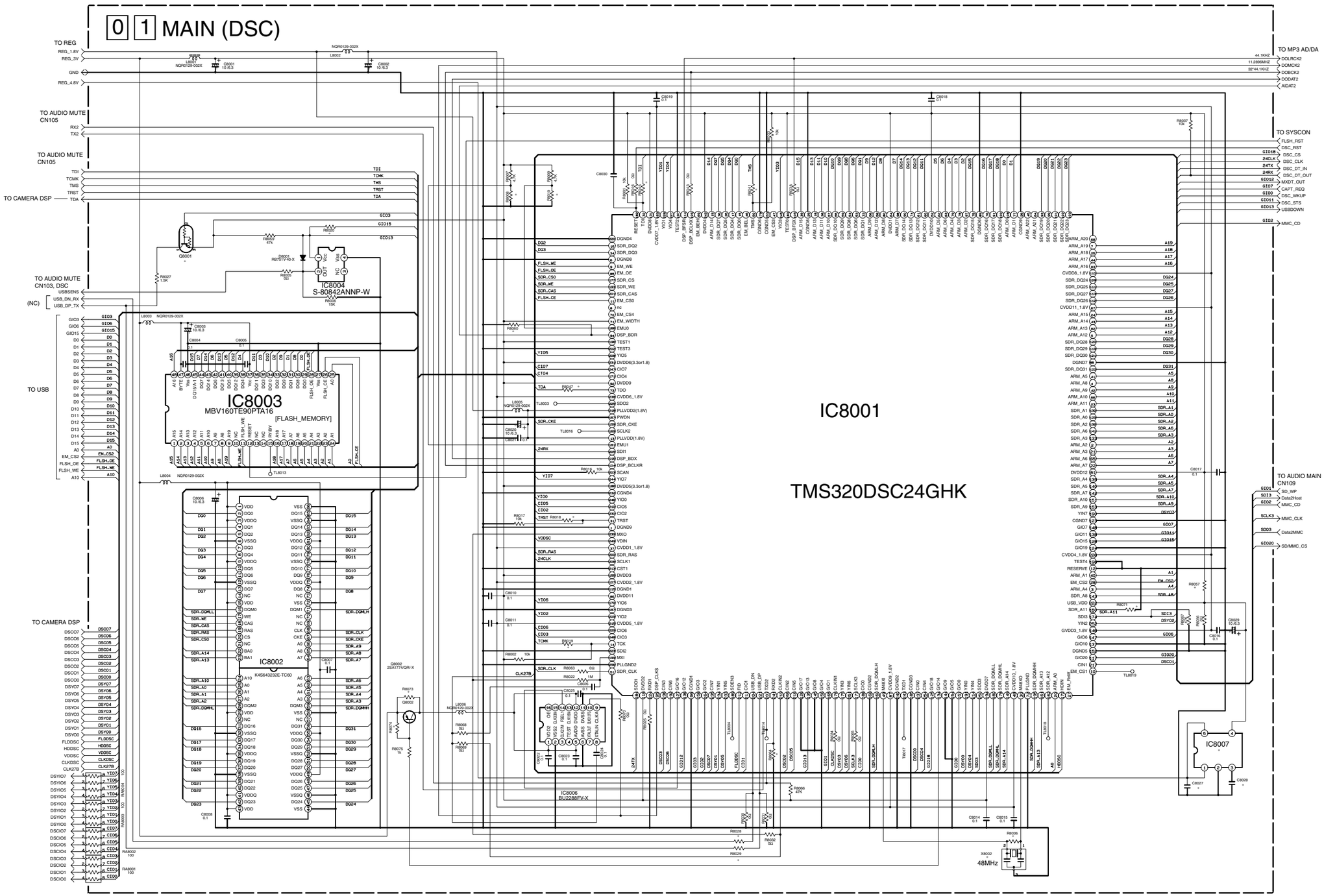



NOTE : The parts with marked (∗) is not used.

y10286001a_rev0

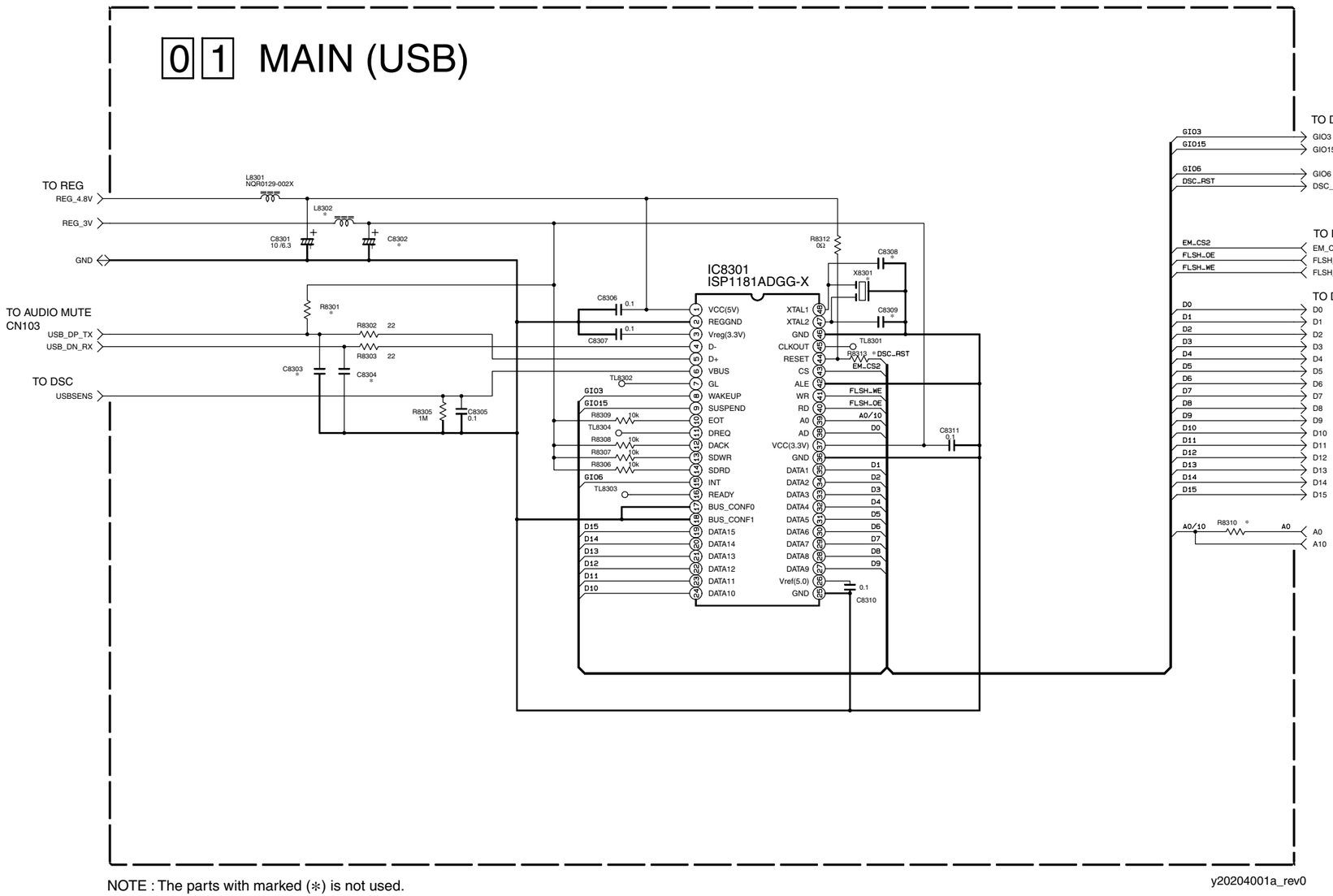
## 4.12 DSC SCHEMATIC DIAGRAM

*NOTES :*
- *For the destination of each signal and further line connections that are cut off from this diagram, refer to "4.1 BOARD INTERCONNECTIONS".*
- *When ordering parts, be sure to order according to the Part Number indicated in the Parts List.*



## 4.13 USB SCHEMATIC DIAGRAM

*NOTES :* ● *For the destination of each signal and further line connections that are cut off from this diagram, refer to "4.1 BOARD INTERCONNECTIONS".*
● *When ordering parts, be sure to order according to the Part Number indicated in the Parts List.*



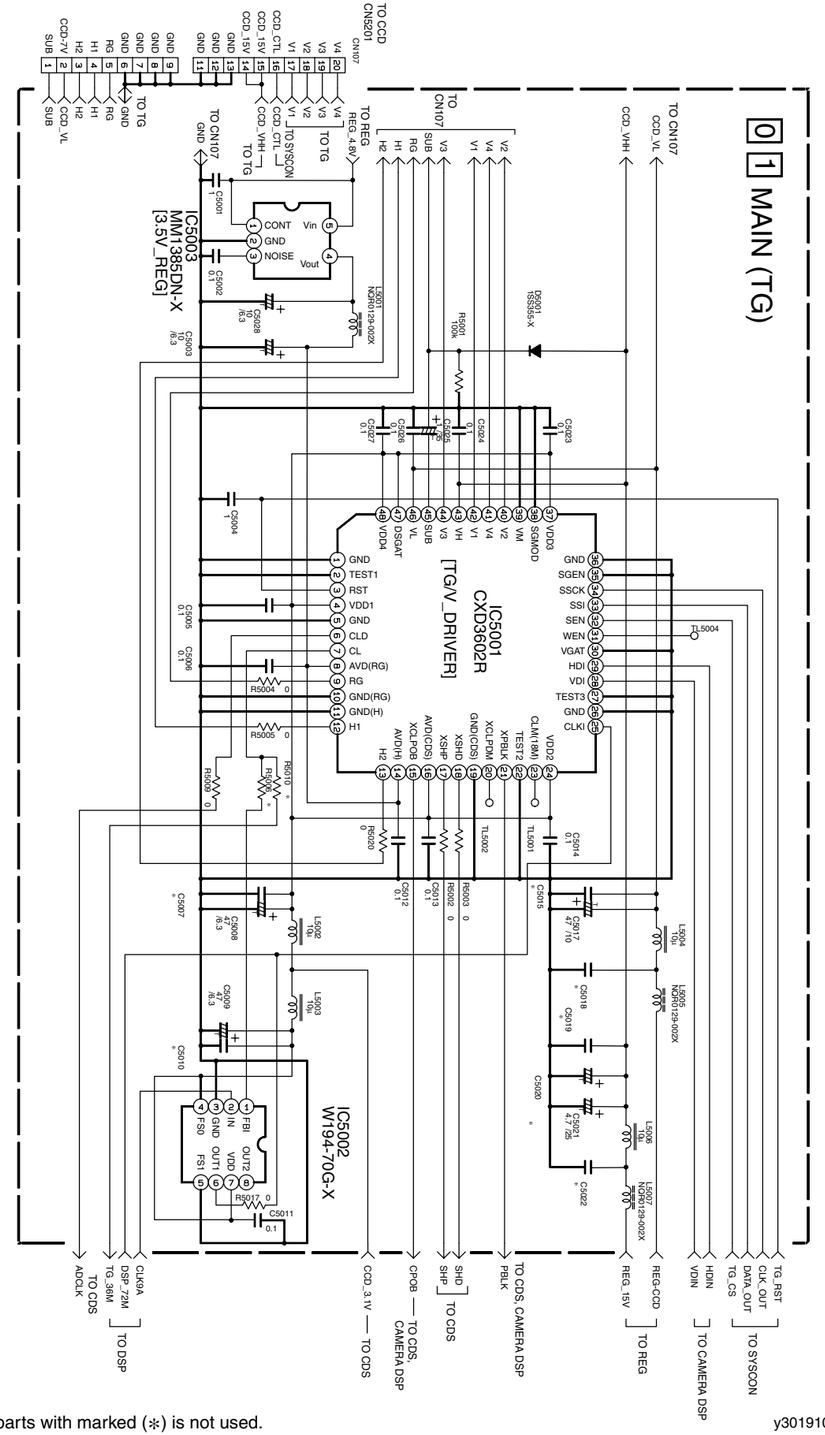

NOTE : The parts with marked (*) is not used.

y20204001a_rev0

## 4.14 TG AND IR/TALLY SCHEMATIC DIAGRAMS

- TG -

*NOTES :*
- *For the destination of each signal and further line connections that are cut off from this diagram, refer to "4.1 BOARD INTERCONNECTIONS".*
- *When ordering parts, be sure to order according to the Part Number indicated in the Parts List.*

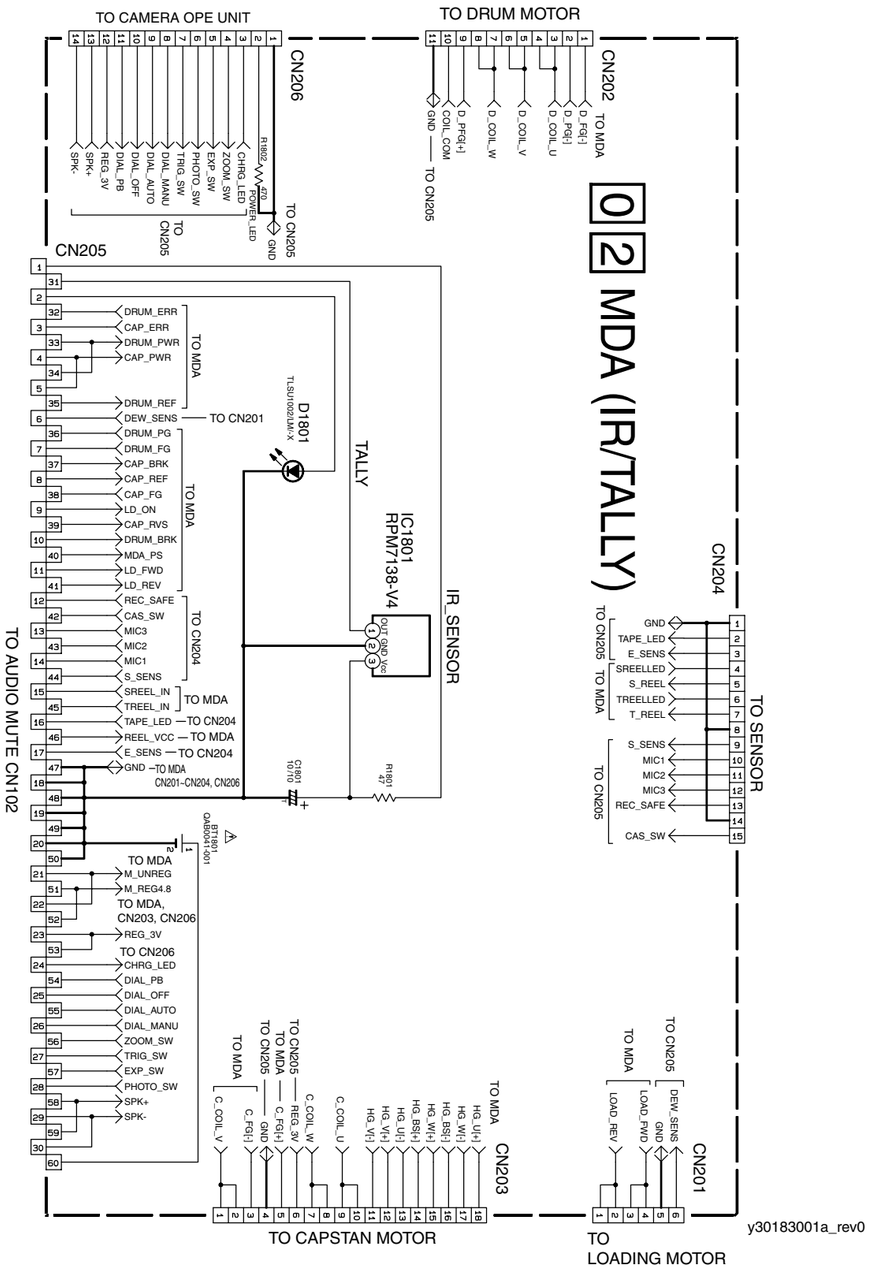



NOTE : The parts with marked (*) is not used.

y30191001a_rev0

- IR/TALLY -

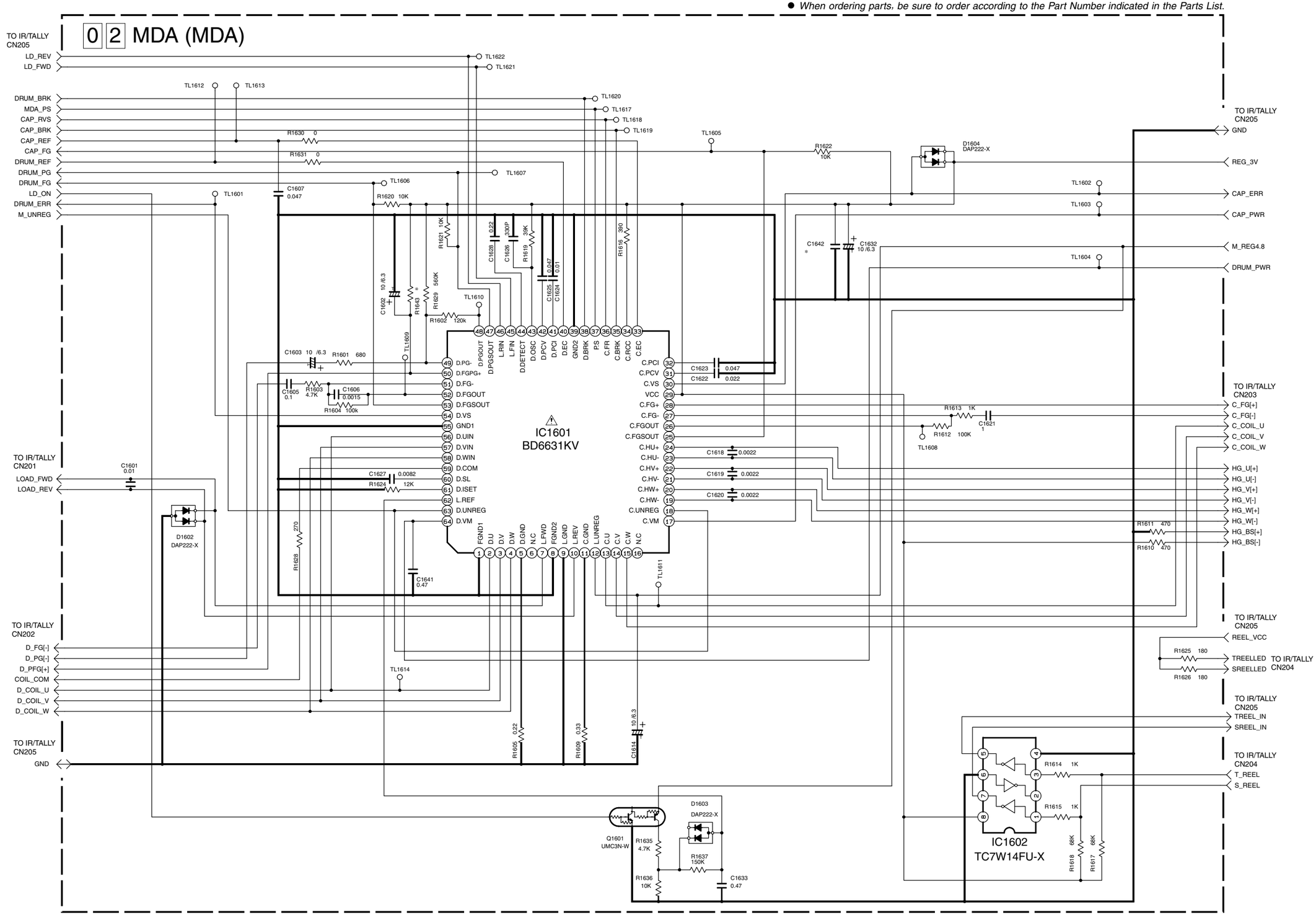
*NOTES :*
- *For the destination of each signal and further line connections that are cut off from this diagram, refer to "4.1 BOARD INTERCONNECTIONS".*
- *When ordering parts, be sure to order according to the Part Number indicated in the Parts List.*




y30183001a_rev0

## 4.15 MDA SCHEMATIC DIAGRAM

*NOTES :* ● *For the destination of each signal and further line connections that are cut off from this diagram, refer to "4.1 BOARD INTERCONNECTIONS".*
● *When ordering parts, be sure to order according to the Part Number indicated in the Parts List.*

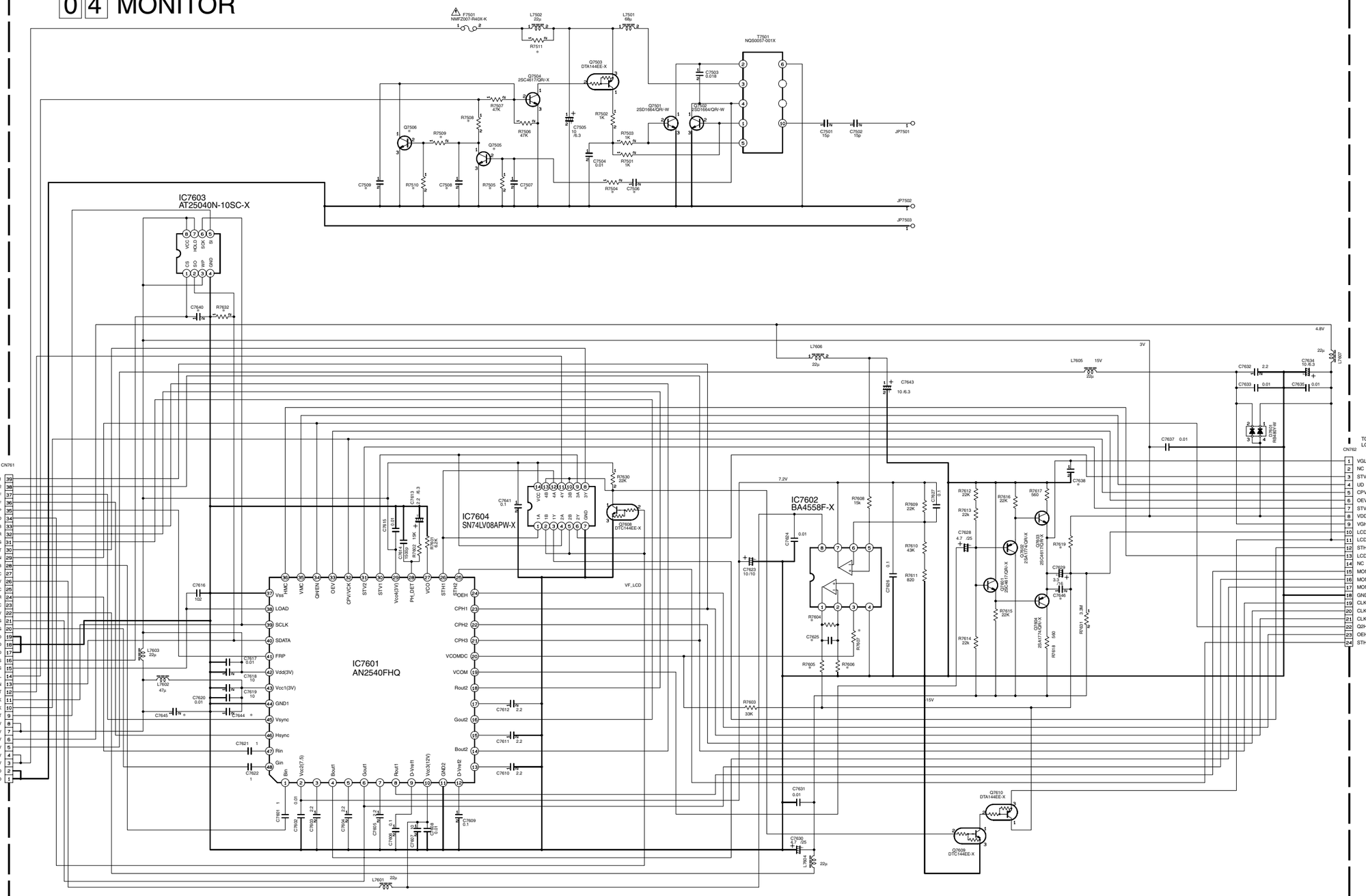



NOTE : The parts with marked (*) is not used.

y20199001a_rev0

## 4.16 MONITOR SCHEMATIC DIAGRAM

*NOTES :* ● *For the destination of each signal and further line connections that are cut off from this diagram, refer to "4.1 BOARD INTERCONNECTIONS".*
● *When ordering parts, be sure to order according to the Part Number indicated in the Parts List.*

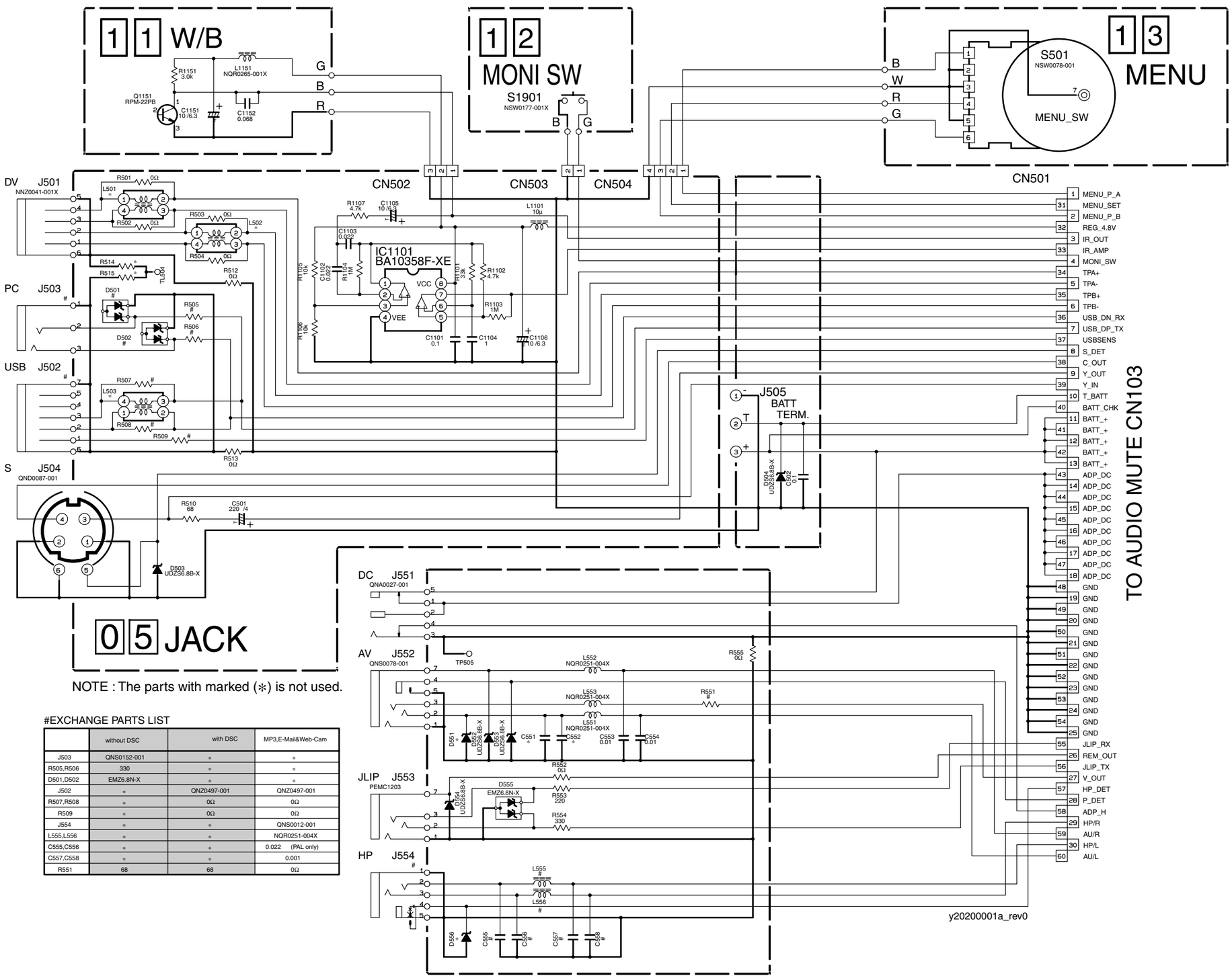



NOTE : The parts with marked (✻) is not used.

y10289001a_rev0

## 4.17 JACK SCHEMATIC DIAGRAM

*NOTES :* ● *For the destination of each signal and further line connections that are cut off from this diagram, refer to "4.1 BOARD INTERCONNECTIONS".*
● *When ordering parts, be sure to order according to the Part Number indicated in the Parts List.*




NOTE : The parts with marked (*) is not used.

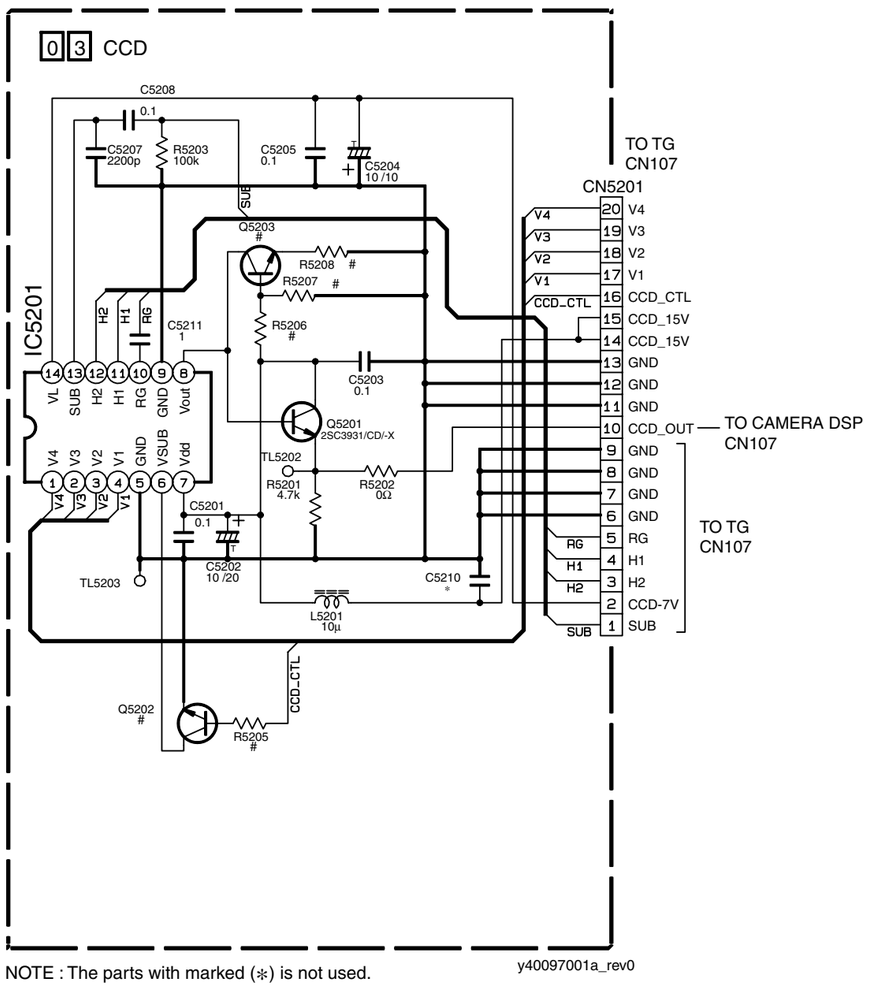
#EXCHANGE PARTS LIST

| | without DSC | with DSC | MP3,E-Mail&Web-Cam |
|---|---|---|---|
| J503 | QNS0152-001 | * | * |
| R505,R506 | 330 | * | * |
| D501,D502 | EMZ6.8N-X | * | * |
| J502 | * | QNZ0497-001 | QNZ0497-001 |
| R507,R508 | * | 0Ω | 0Ω |
| R509 | * | 0Ω | 0Ω |
| J554 | * | * | QNS0012-001 |
| L555,L556 | * | * | NQR0251-004X |
| C555,C556 | * | * | 0.022 (PAL only) |
| C557,C558 | * | * | 0.001 |
| R551 | 68 | 68 | 0Ω |

## 4.18 CCD AND SD SCHEMATIC DIAGRAMS

- CCD -

*NOTES :* ● *For the destination of each signal and further line connections that are cut off from this diagram, refer to "4.1 BOARD INTERCONNECTIONS".*
● *When ordering parts, be sure to order according to the Part Number indicated in the Parts List.*
● *IC5201 is incorporated in the CCD base assembly. When IC5201 needs replacement, replace the CCD base assembly in whole because it cannot be replaced alone.*




NOTE : The parts with marked (*) is not used.

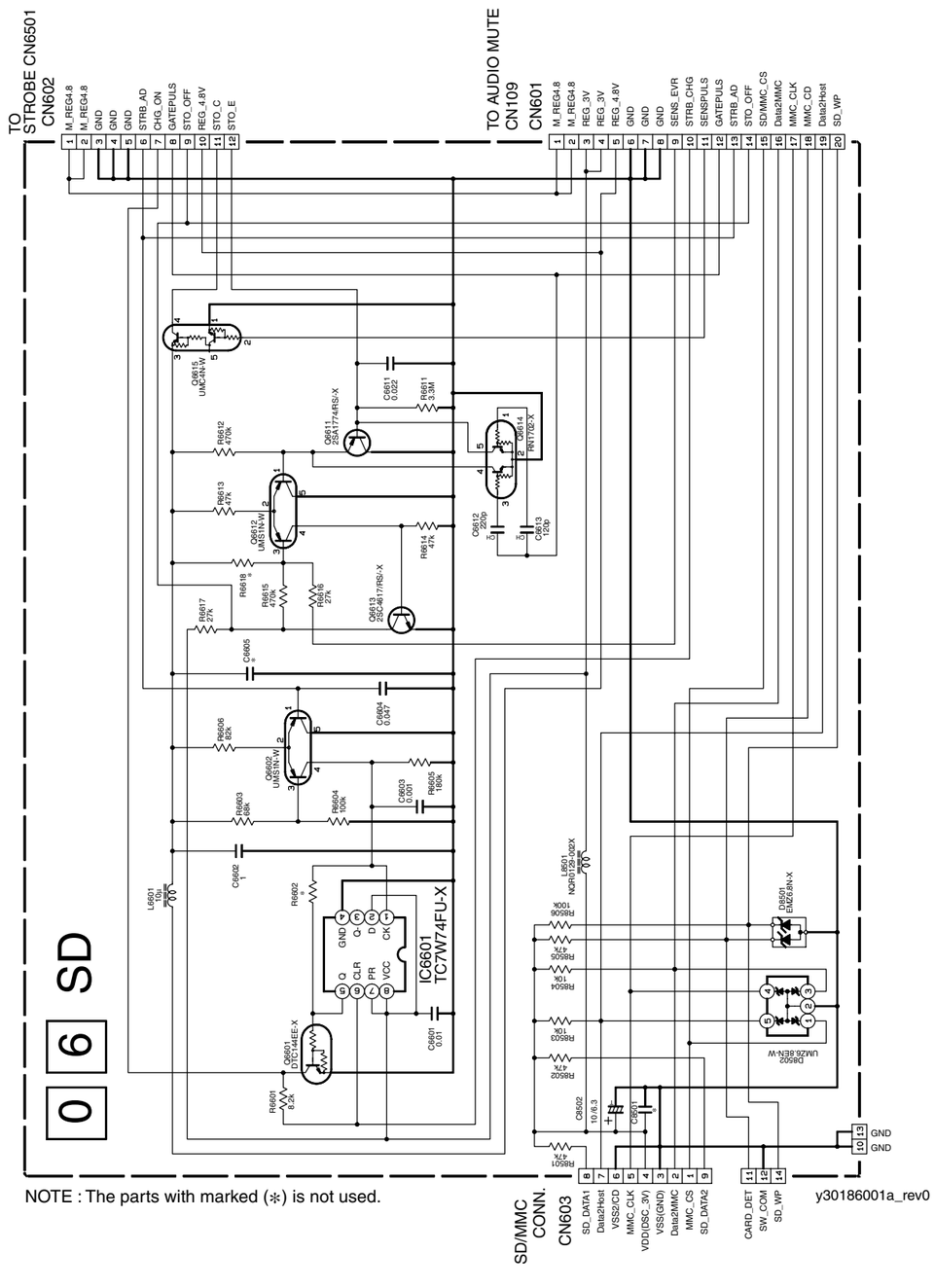
y40097001a_rev0

# EXCHANGE PARTS LIST

| | without DSC | DSC(680k/800k) | DSC(MEGA) |
|---|---|---|---|
| Q5202 | * | 2SC4081/RS/-X | 2SC4081/RS/-X |
| Q5203 | * | * | 2SC3931/CD/-X |
| R5205 | * | 4.7k | 4.7k |
| R5206 | * | * | 10k |
| R5207 | * | * | 12k |
| R5208 | * | * | 1k |

- SD -

*NOTES :* ● *For the destination of each signal and further line connections that are cut off from this diagram, refer to "4.1 BOARD INTERCONNECTIONS".*
● *When ordering parts, be sure to order according to the Part Number indicated in the Parts List.*

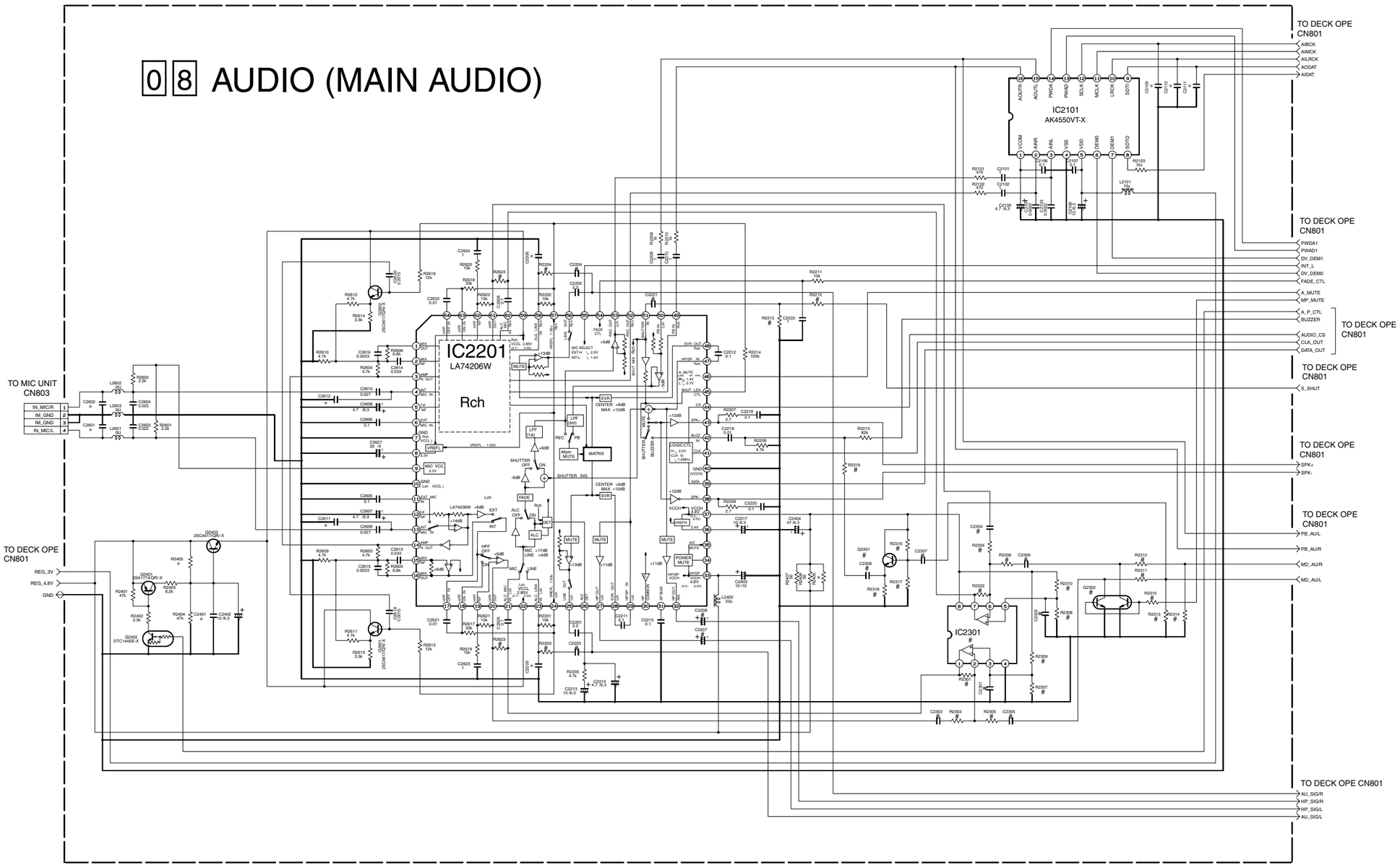



NOTE : The parts with marked (*) is not used.

y30186001a_rev0

## 4.19 MAIN AUDIO SCHEMATIC DIAGRAM

*NOTES :*
- *For the destination of each signal and further line connections that are cut off from this diagram, refer to "4.1 BOARD INTERCONNECTIONS".*
- *When ordering parts, be sure to order according to the Part Number indicated in the Parts List.*




NOTE : The parts with marked (⁎) is not used.

# EXCHANGE PARTS LIST

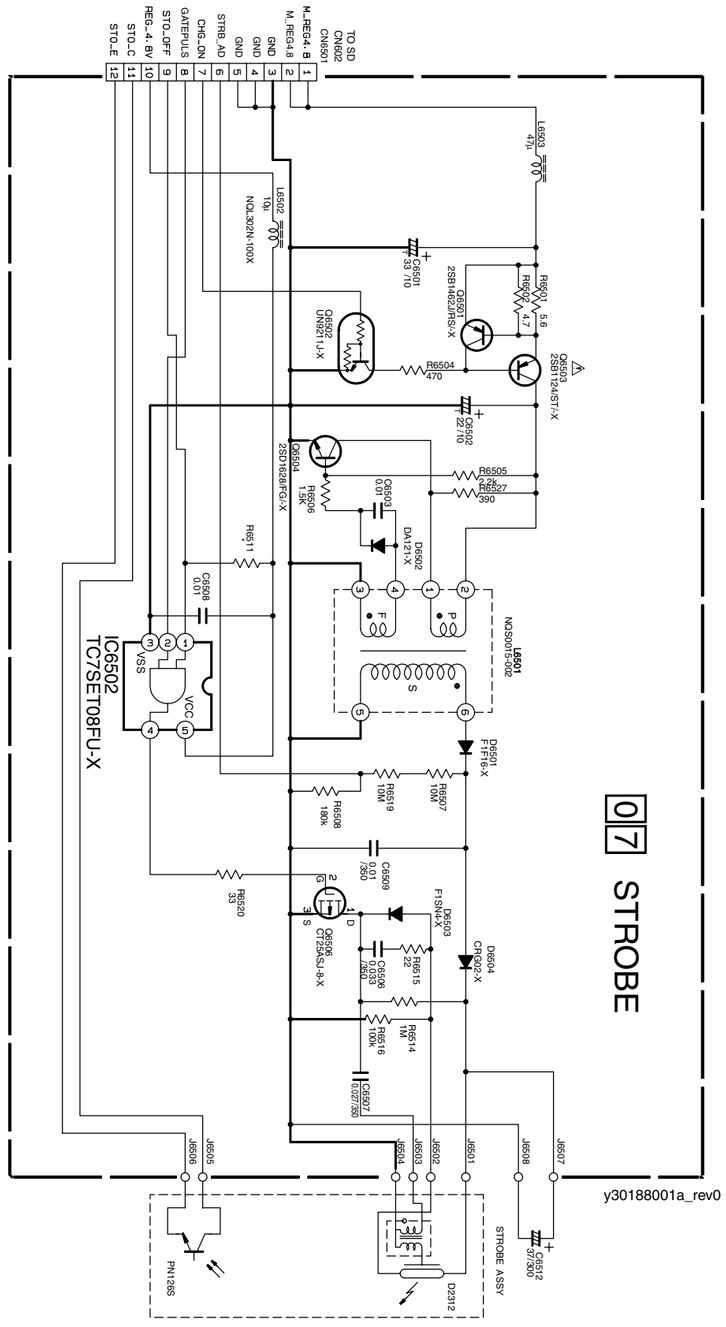
| | Normal | MP3, E-Mail & Web-CAMERA | | | Normal | MP3, E-Mail & Web-CAMERA | |
|---|---|---|---|---|---|---|---|
| | | without ANA.IN | with ANA.IN | | | without ANA.IN | with ANA.IN |
| R2203,R2204 | ⁎ | ⁎ | 47k | R2316 | ⁎ | 100k | 100k |
| C2203,C2204 | ⁎ | ⁎ | 0.47 | R2317 | ⁎ | 100k | 100k |
| R2212 | 0 Ω | 10k | 10k | R2318 | ⁎ | 1k | 1k |
| R2213 | ⁎ | 680 | 680 | R2319 | ⁎ | 47k | 47k |
| C2221 | 0 Ω | 0.01 | 0.01 | C2301,C2302 | ⁎ | 1 | 1 |
| C2207,C2208 | ⁎ | 104L3 | 104L3 | C2303,C2304 | ⁎ | 1 | 1 |
| R2301,R2302 | ⁎ | 18k | 18k | C2305,C2306 | ⁎ | 1 | 1 |
| R2303,R2304 | ⁎ | 18k | 18k | C2307 | ⁎ | 0.1 | 0.1 |
| R2305,R2306 | ⁎ | 180k | 180k | C2308 | ⁎ | 1 | 1 |
| R2307,R2308 | ⁎ | 47k | 47k | Q2301 | ⁎ | 2SC4617QR/-X | 2SC4617QR/-X |
| R2309,R2310 | ⁎ | 47k | 47k | Q2302 | ⁎ | UMX18N-W | UMX18N-W |
| R2311,R2312 | ⁎ | 10k | 10k | IC2301 | ⁎ | BA4510FV-X | BA4510FV-X |
| R2313,R2314 | ⁎ | 560k | 560k | R2623,R2624 | 0 Ω | ⁎ | ⁎ |
| R2315 | ⁎ | 3.3k | 3.3k | | | | |

y10288001a_rev0

## 4.20 STROBE AND DECK OPE SCHEMATIC DIAGRAMS

- STROBE -

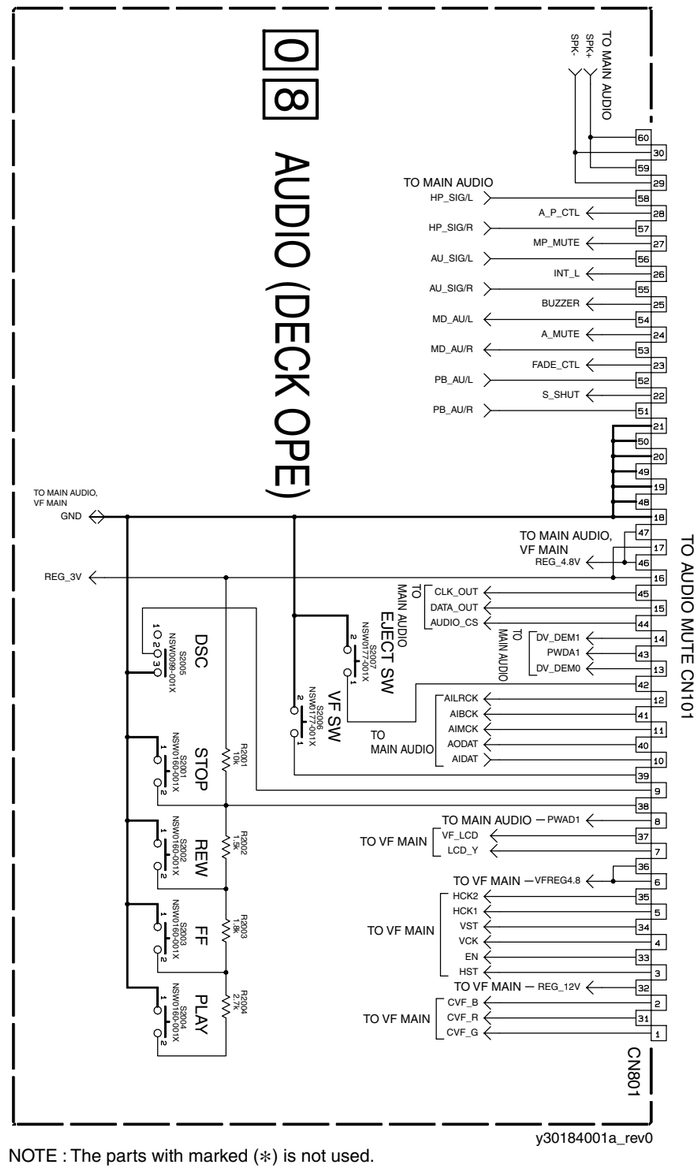
*NOTES :* ● *For the destination of each signal and further line connections that are cut off from this diagram, refer to "4.1 BOARD INTERCONNECTIONS".*
● *When ordering parts, be sure to order according to the Part Number indicated in the Parts List.*




NOTE : The parts with marked (*) is not used.

- DECK OPE -

*NOTES :* ● *For the destination of each signal and further line connections that are cut off from this diagram, refer to "4.1 BOARD INTERCONNECTIONS".*
● *When ordering parts, be sure to order according to the Part Number indicated in the Parts List.*

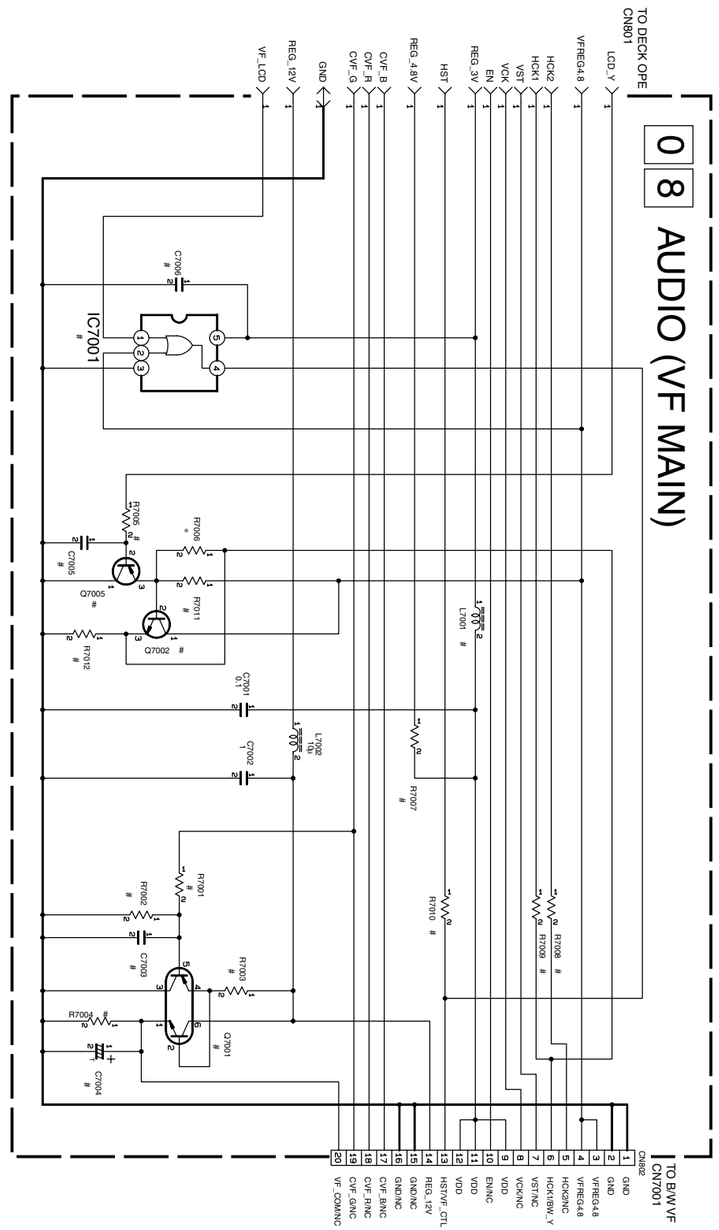



NOTE : The parts with marked (*) is not used.

## 4.21 VF MAIN AND B/W VF SCHEMATIC DIAGRAMS

- VF MAIN -

*NOTES :* ● *For the destination of each signal and further line connections that are cut off from this diagram, refer to "4.1 BOARD INTERCONNECTIONS".*
● *When ordering parts, be sure to order according to the Part Number indicated in the Parts List.*




NOTE : The parts with marked (*) is not used.

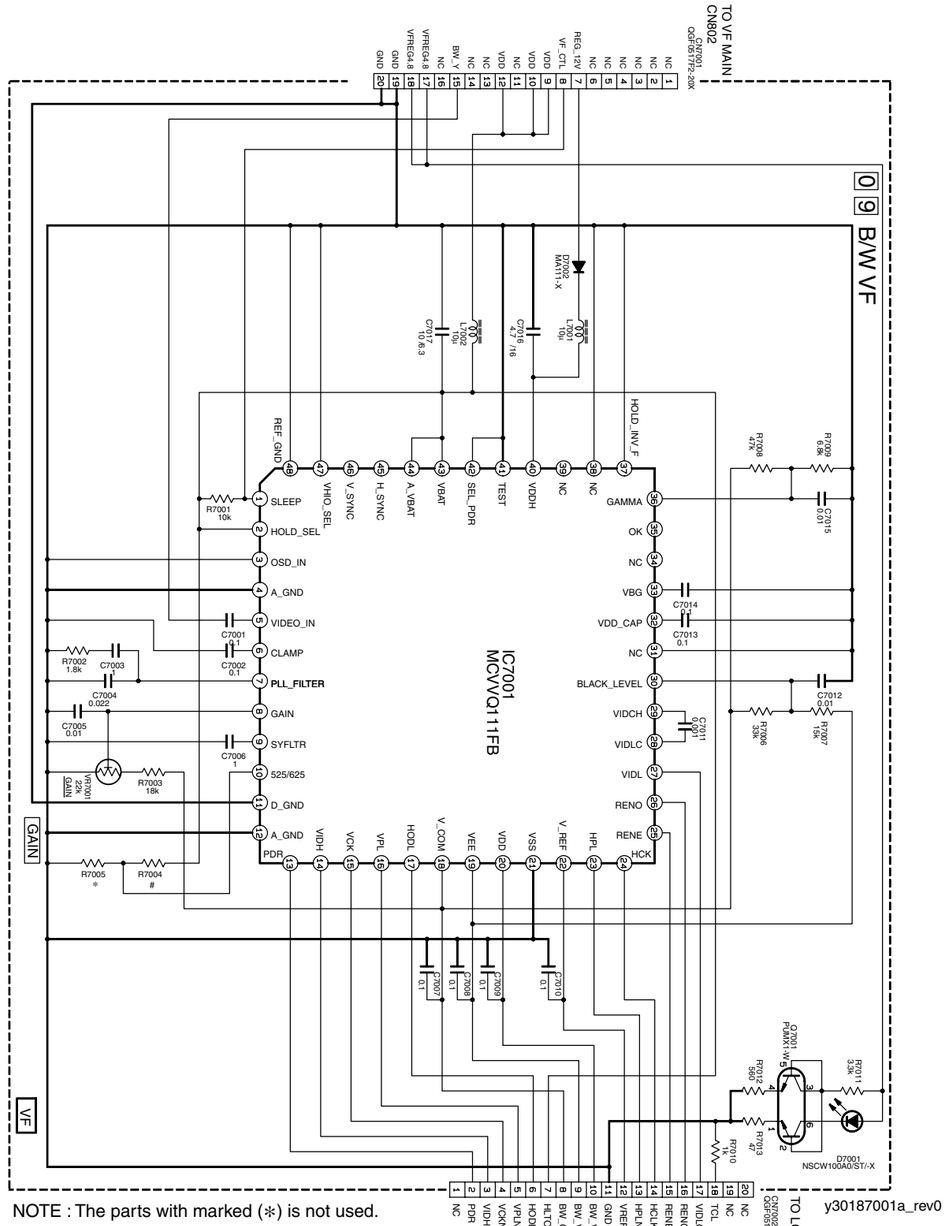
y30185001a_rev0

#EXCHANGE PARTS LIST

| | R7001 | R7002 | R7003 | R7004 | R7005 | R7007 | R7008 | R7009 | R7010 | R7011 | R7012 | L7001 | C7003 | C7004 | C7005 | C7006 | IC7001 | Q7001 | Q7002 | Q7005 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| COLOR VF MODEL | 18K | 330K | 220K | 39K | * | * | 0 | 0 | 0 | * | * | 10 | 2.2 | 10/10 | * | * | * | UMZ1N-W | * | * |
| B/W VF MODEL | * | * | * | * | 270 | 0 | * | * | * | 5.6K | 1K | * | * | * | 220p | 0.1 | TC7SH32FU-X | * | 2SC4617/QR/-X | 2SA1774/QR/-X |

- B/W VF -

*NOTES :* ● *For the destination of each signal and further line connections that are cut off from this diagram, refer to "4.1 BOARD INTERCONNECTIONS".*
● *When ordering parts, be sure to order according to the Part Number indicated in the Parts List.*




NOTE : The parts with marked (*) is not used.

y30187001a_rev0

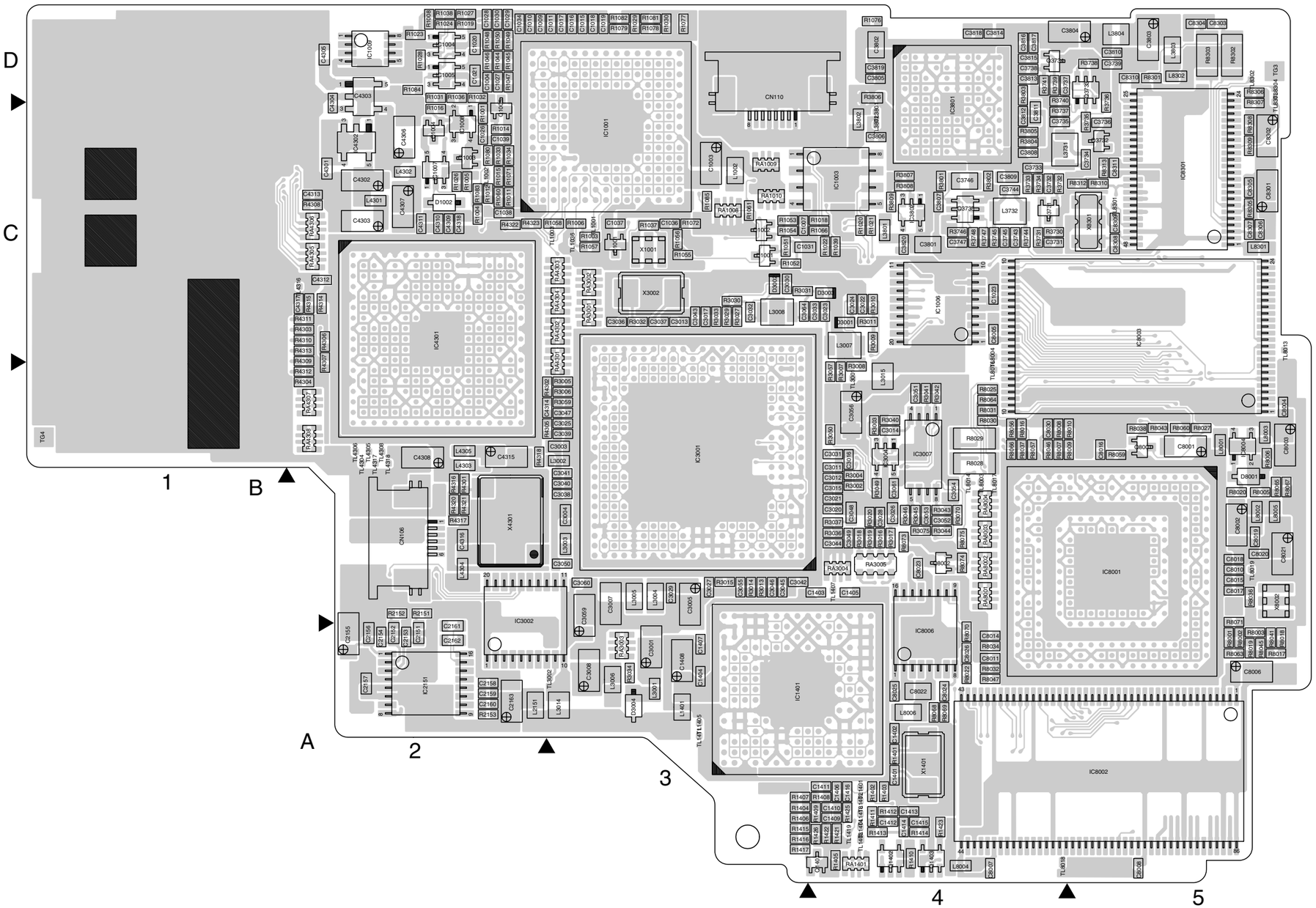
# Difference table

| | R7004 |
|---|---|
| NTSC | * |
| PAL | 0 |

## 4.22 MAIN CIRCUIT BOARD

**<01> MAIN**
**YB10374-01-01**

FOIL SIDE(B)



## COMPONENT PARTS LOCATION GUIDE <MAIN/YB10374-01-01>



| REF.NO. | LOCATION | | |
|---|---|---|---|
| **CAPACITOR** | | | |
| C1003 | B | C | 3C |
| C1004 | B | C | 2D |
| C1006 | A | C | 4C |
| C1007 | B | C | 3C |
| C1009 | B | C | 2D |
| C1010 | B | C | 2D |
| C1011 | B | C | 3D |
| C1015 | B | C | 3D |
| C1016 | B | C | 3D |
| C1017 | B | C | 3D |
| C1018 | B | C | 3D |
| C1019 | B | C | 3D |
| C1020 | B | C | 2D |
| C1021 | B | C | 2D |
| C1023 | B | C | 4C |
| C1026 | B | C | 2C |
| C1027 | B | C | 2D |
| C1028 | B | C | 2D |
| C1029 | B | C | 2D |
| C1030 | B | C | 2D |
| C1031 | B | C | 3C |
| C1034 | B | C | 2D |
| C1036 | B | C | 3C |
| C1037 | B | C | 3C |
| C1038 | B | C | 2C |
| C1039 | B | C | 2C |
| C1401 | B | C | 4A |
| C1402 | B | C | 4A |
| C1403 | B | C | 4B |
| C1404 | B | C | 3A |
| C1405 | B | C | 4B |
| C1406 | B | C | 4A |
| C1407 | B | C | 3A |
| C1408 | B | C | 3A |
| C1409 | B | C | 4A |
| C1410 | B | C | 4A |
| C1411 | B | C | 4A |
| C1412 | B | C | 4A |
| C1413 | B | C | 4A |
| C1414 | B | C | 4A |
| C1415 | B | C | 4A |
| C1416 | B | C | 4A |
| C2151 | B | C | 2A |
| C2152 | B | C | 2A |
| C2153 | B | C | 2A |
| C2154 | B | C | 2A |
| C2155 | B | C | 2A |
| C2156 | B | C | 2A |
| C2157 | B | C | 2A |
| C2158 | B | C | 2A |
| C2159 | B | C | 2A |
| C2160 | B | C | 2A |
| C2161 | B | C | 2A |
| C2162 | B | C | 2A |
| C2163 | B | C | 2A |
| C3001 | B | C | 3A |
| C3003 | B | C | 3B |
| C3004 | B | C | 3B |
| C3005 | B | C | 3B |
| C3007 | B | C | 3B |
| C3008 | B | C | 3A |
| C3011 | B | C | 4B |
| C3012 | B | C | 4B |
| C3013 | B | C | 3C |
| C3014 | B | C | 4B |
| C3015 | B | C | 4B |
| C3016 | B | C | 4B |
| C3017 | B | C | 3C |
| C3020 | B | C | 4B |
| C3021 | B | C | 4B |
| C3022 | B | C | 4C |
| C3023 | B | C | 4C |
| C3024 | B | C | 4C |
| C3025 | B | C | 3B |
| C3026 | B | C | 4B |
| C3027 | B | C | 3B |
| C3028 | B | C | 4B |
| C3029 | B | C | 3B |
| C3030 | B | C | 3C |
| C3031 | B | C | 4B |
| C3032 | B | C | 3C |
| C3033 | B | C | 4C |
| C3036 | B | C | 3C |
| C3037 | B | C | 3C |
| C3038 | B | C | 3B |
| C3039 | B | C | 3B |
| C3040 | B | C | 3B |
| C3041 | B | C | 3B |
| C3042 | B | C | 3B |
| C3043 | B | C | 3C |
| C3044 | B | C | 4B |
| C3045 | B | C | 3B |
| C3046 | B | C | 3B |
| C3047 | B | C | 3B |
| C3048 | B | C | 4B |
| C3049 | B | C | 4B |
| C3050 | B | C | 3B |
| C3051 | B | C | 4B |
| C3052 | B | C | 4B |
| C3053 | B | C | 4B |
| C3054 | B | C | 4B |
| C3055 | B | C | 3B |
| C3056 | B | C | 4B |
| C3059 | B | C | 3B |
| C3060 | B | C | 3B |
| C3061 | B | C | 4B |
| C3064 | B | C | 3C |
| C3501 | A | C | 4C |
| C3502 | A | C | 4D |
| C3503 | A | C | 3D |
| C3504 | A | C | 3C |
| C3505 | A | C | 3C |
| C3506 | A | C | 3C |
| C3507 | A | C | 3C |
| C3508 | A | C | 3C |
| C3509 | A | C | 3C |
| C3510 | A | C | 3D |
| C3511 | A | C | 4C |
| C3512 | A | C | 4D |
| C3513 | A | C | 4C |
| C3514 | A | C | 4C |
| C3515 | A | C | 4C |
| C3516 | A | C | 4C |
| C3517 | A | C | 4C |
| C3518 | A | C | 4C |
| C3519 | A | C | 3C |
| C3520 | A | C | 3C |
| C3521 | A | C | 3C |
| C3522 | A | C | 3C |
| C3523 | A | C | 3C |
| C3524 | A | C | 3C |
| C3525 | A | C | 3C |
| C3526 | A | C | 3C |
| C3527 | A | C | 4C |
| C3528 | A | C | 3C |
| C3701 | A | C | 5A |
| C3702 | A | C | 5C |
| C3703 | A | C | 5C |
| C3704 | A | C | 5C |
| C3705 | A | C | 5C |
| C3706 | A | C | 5B |
| C3707 | A | C | 5B |
| C3708 | A | C | 5B |
| C3709 | A | C | 5B |
| C3710 | A | C | 5B |
| C3712 | A | C | 5B |
| C3714 | A | C | 5B |
| C3715 | A | C | 5D |
| C3731 | B | C | 4C |
| C3732 | B | C | 4C |
| C3733 | B | C | 4C |
| C3734 | B | C | 5C |
| C3735 | B | C | 4C |
| C3736 | B | C | 5C |
| C3737 | B | C | 4D |
| C3738 | B | C | 4D |
| C3739 | B | C | 5D |
| C3740 | A | C | 5B |
| C3741 | A | C | 5B |
| C3742 | A | C | 5C |
| C3743 | B | C | 4C |
| C3744 | B | C | 4C |
| C3745 | B | C | 4C |
| C3746 | B | C | 4C |
| C3747 | B | C | 4C |
| C3801 | B | C | 4C |
| C3802 | B | C | 4D |
| C3803 | B | C | 5D |
| C3804 | B | C | 4D |
| C3805 | B | C | 4D |
| C3806 | B | C | 4C |
| C3807 | B | C | 4C |
| C3808 | B | C | 4C |
| C3809 | B | C | 4C |
| C3810 | B | C | 5D |
| C3811 | B | C | 4C |
| C3812 | B | C | 4C |
| C3813 | B | C | 4D |
| C3814 | B | C | 4D |
| C3815 | B | C | 4D |
| C3816 | B | C | 4D |
| C3817 | B | C | 4D |
| C3818 | B | C | 4D |
| C3819 | B | C | 4D |
| C3820 | B | C | 4C |
| C4201 | A | C | 1C |
| C4202 | A | C | 1C |
| C4203 | A | C | 2C |
| C4204 | A | C | 1C |
| C4205 | A | C | 1C |
| C4206 | A | C | 1C |
| C4207 | A | C | 1C |
| C4208 | A | C | 1C |
| C4209 | A | C | 1C |
| C4210 | A | C | 1C |
| C4211 | A | C | 1C |
| C4212 | A | C | 1C |
| C4213 | A | C | 1C |
| C4214 | A | C | 1C |
| C4215 | A | C | 1C |
| C4216 | A | C | 1C |
| C4217 | A | C | 1C |
| C4218 | A | C | 1C |
| C4219 | A | C | 1C |
| C4220 | A | C | 1C |
| C4301 | B | C | 2C |
| C4302 | B | C | 2C |
| C4303 | B | C | 2C |
| C4304 | B | C | 2C |
| C4305 | B | C | 2D |
| C4306 | B | C | 2C |
| C4307 | B | C | 2C |
| C4308 | B | C | 2B |
| C4309 | B | C | 2C |
| C4310 | B | C | 2C |
| C4311 | B | C | 2C |
| C4312 | B | C | 2C |
| C4313 | B | C | 2C |
| C4314 | B | C | 2B |
| C4315 | B | C | 2B |
| C4316 | B | C | 2B |
| C4317 | B | C | 2C |
| C4318 | B | C | 2C |
| C4803 | A | C | 1D |
| C4804 | A | C | 1D |
| C4806 | A | C | 1C |
| C4807 | A | C | 1D |
| C4808 | A | C | 1D |
| C4809 | A | C | 1D |
| C4810 | A | C | 1D |
| C4811 | A | C | 1D |
| C4812 | A | C | 1D |
| C4813 | A | C | 2C |
| C4814 | A | C | 2D |
| C4815 | A | C | 3D |
| C4819 | A | C | 3C |
| C4820 | A | C | 1D |
| C4822 | A | C | 3D |
| C4823 | A | C | 3C |
| C4851 | A | C | 2D |
| C4852 | A | C | 2D |
| C4853 | A | C | 2C |
| C4854 | A | C | 2C |
| C4855 | A | C | 2C |
| C4858 | A | C | 2D |
| C4859 | A | C | 2D |
| C4860 | A | C | 1D |
| C4861 | A | C | 1D |
| C4862 | A | C | 1D |
| C4863 | A | C | 1D |
| C4864 | A | C | 1D |
| C4865 | A | C | 1D |
| C4866 | A | C | 2C |
| C5001 | A | C | 2B |
| C5002 | A | C | 2B |
| C5003 | A | C | 2C |
| C5004 | A | C | 2C |
| C5005 | A | C | 2C |
| C5006 | A | C | 2C |
| C5007 | A | C | 1C |
| C5008 | A | C | 2C |
| C5009 | A | C | 2C |
| C5010 | A | C | 2B |
| C5011 | A | C | 2B |
| C5012 | A | C | 2C |
| C5013 | A | C | 2C |
| C5014 | A | C | 2C |
| C5015 | A | C | 2C |
| C5017 | A | C | 2C |
| C5018 | A | C | 2C |
| C5019 | A | C | 2B |
| C5020 | A | C | 1B |
| C5021 | A | C | 1B |
| C5022 | A | C | 1C |
| C5023 | A | C | 2C |
| C5024 | A | C | 2C |
| C5025 | A | C | 2C |
| C5026 | A | C | 2C |
| C5027 | A | C | 2C |
| C5028 | A | C | 2B |
| C6001 | A | C | 3B |
| C6002 | A | C | 3B |
| C6003 | A | C | 3B |
| C6004 | A | C | 3B |
| C6005 | A | C | 3B |
| C6101 | A | C | 5A |
| C6102 | A | C | 3B |
| C6103 | A | C | 4B |
| C6105 | A | C | 4B |
| C6106 | A | C | 2B |
| C6107 | A | C | 2B |
| C6108 | A | C | 3B |
| C6109 | A | C | 3B |
| C6110 | A | C | 3B |
| C6111 | A | C | 3B |
| C6112 | A | C | 3B |
| C6113 | A | C | 3B |
| C6114 | A | C | 3A |
| C6115 | A | C | 3A |
| C6116 | A | C | 3A |
| C6117 | A | C | 3A |
| C6118 | A | C | 3A |
| C6119 | A | C | 2A |
| C6120 | A | C | 3A |
| C6121 | A | C | 2A |
| C6122 | A | C | 2A |
| C6123 | A | C | 2A |
| C6124 | A | C | 2A |
| C6125 | A | C | 2A |
| C6126 | A | C | 2A |
| C6127 | A | C | 2A |
| C6128 | A | C | 2A |
| C6129 | A | C | 2B |
| C6130 | A | C | 2B |
| C6131 | A | C | 4A |
| C6132 | A | C | 4B |
| C6134 | A | C | 2B |
| C6201 | A | C | 4A |
| C6202 | A | C | 4B |
| C6203 | A | C | 3B |
| C6204 | A | C | 3A |
| C6205 | A | C | 3A |
| C6206 | A | C | 4A |
| C6207 | A | C | 3A |
| C6208 | A | C | 3A |
| C6209 | A | C | 4A |
| C6210 | A | C | 4A |
| C6211 | A | C | 3A |
| C6214 | A | C | 4B |
| C6215 | A | C | 4B |
| C6216 | A | C | 4C |
| C6217 | A | C | 4B |
| C6218 | A | C | 4B |
| C6219 | A | C | 4D |
| C6220 | A | C | 3B |
| C6221 | A | C | 3C |
| C6222 | A | C | 3C |
| C6224 | A | C | 3C |
| C6225 | A | C | 3C |
| C6226 | A | C | 3B |
| C6227 | A | C | 3B |
| C6228 | A | C | 3B |
| C6230 | A | C | 3B |
| C6701 | A | C | 5B |
| C6703 | A | C | 5B |
| C6704 | A | C | 4B |
| C8001 | B | C | 5B |
| C8002 | B | C | 5B |
| C8003 | B | C | 5B |
| C8004 | B | C | 5B |
| C8005 | B | C | 4C |
| C8006 | B | C | 5A |
| C8007 | B | C | 4A |
| C8008 | B | C | 5A |
| C8010 | B | C | 5B |
| C8011 | B | C | 4A |
| C8014 | B | C | 4A |
| C8015 | B | C | 5B |
| C8016 | B | C | 5B |
| C8017 | B | C | 5B |
| C8018 | B | C | 5B |
| C8019 | B | C | 5B |
| C8020 | B | C | 5B |
| C8021 | B | C | 5B |
| C8022 | B | C | 4A |
| C8023 | B | C | 4B |
| C8024 | B | C | 4A |
| C8025 | B | C | 4A |
| C8026 | B | C | 4A |
| C8027 | A | C | 4A |
| C8028 | A | C | 4B |
| C8029 | A | C | 4B |
| C8030 | B | C | 4B |
| C8301 | B | C | 5C |
| C8302 | B | C | 5C |
| C8303 | B | C | 5D |
| C8304 | B | C | 5D |
| C8305 | B | C | 5C |
| C8306 | B | C | 5C |
| C8307 | B | C | 5C |
| C8308 | B | C | 5C |
| C8309 | B | C | 5C |
| C8310 | B | C | 5D |
| C8311 | B | C | 5C |
| **CONNECTOR** | | | |
| CN101 | A | C | 2B |
| CN102 | A | C | 4D |
| CN103 | A | C | 4A |
| CN104 | A | C | 3B |
| CN105 | A | C | 4A |
| CN106 | B | C | 2B |
| CN107 | A | C | 1B |
| CN108 | A | C | 1C |
| CN109 | A | C | 5C |
| CN110 | B | C | 3C |
| **DIODE** | | | |
| D1001 | B | C | 3C |
| D1002 | B | C | 2C |
| D3001 | B | C | 4C |
| D3002 | B | C | 3C |
| D3003 | B | C | 4C |
| D3004 | B | C | 3A |
| D3701 | A | C | 5B |
| D5001 | A | C | 2C |
| D6001 | A | C | 3B |
| D6002 | A | C | 3B |
| D6201 | A | C | 4A |
| D6203 | A | C | 4A |
| D6206 | A | C | 3C |
| D6207 | A | C | 3B |
| D6208 | A | C | 3B |
| D6701 | A | C | 4B |
| D6702 | A | C | 5B |
| D8001 | B | C | 5B |
| **FUSE** | | | |
| F6101 | A | C | 4A |
| **IC** | | | |
| IC1001 | B | C | 3C |
| IC1002 | A | C | 4C |
| IC1003 | B | C | 4C |
| IC1004 | B | C | 2D |
| IC1005 | B | C | 2D |
| IC1006 | B | C | 4C |
| IC1007 | B | C | 2C |
| IC1008 | B | C | 2C |
| IC1009 | B | C | 2D |
| IC1401 | B | C | 3A |
| IC2151 | B | C | 2A |
| IC3001 | B | C | 3B |
| IC3002 | B | C | 2B |
| IC3004 | B | C | 4B |
| IC3007 | B | C | 4B |
| IC3501 | A | C | 3C |
| IC3502 | A | C | 3C |
| IC3701 | A | C | 5B |
| IC3731 | A | C | 5C |
| IC3801 | B | C | 4C |
| IC3802 | B | C | 4C |
| IC4201 | A | C | 1C |
| IC4202 | A | C | 1C |
| IC4301 | B | C | 2C |
| IC4302 | B | C | 2C |
| IC4303 | B | C | 2D |
| IC4802 | A | C | 1D |
| IC4803 | A | C | 1D |
| IC4804 | A | C | 2C |
| IC4807 | A | C | 2D |
| IC4851 | A | C | 2D |
| IC5001 | A | C | 2C |
| IC5002 | A | C | 2B |
| IC5003 | A | C | 2B |
| IC6001 | A | C | 3B |
| IC6002 | A | C | 3B |
| IC6101 | A | C | 2A |
| IC8001 | B | C | 5B |
| IC8002 | B | C | 5A |
| IC8003 | B | C | 5C |
| IC8004 | B | C | 5B |
| IC8006 | B | C | 4A |
| IC8007 | A | C | 4A |
| IC8301 | B | C | 5C |
| **COIL** | | | |
| L1002 | B | C | 3C |
| L1401 | B | C | 3A |
| L2151 | B | C | 2A |
| L3001 | B | C | 3A |
| L3002 | B | C | 3B |
| L3003 | B | C | 3B |
| L3004 | B | C | 3B |
| L3005 | B | C | 3B |
| L3006 | B | C | 3A |
| L3007 | B | C | 4C |
| L3008 | B | C | 3C |
| L3014 | B | C | 3A |
| L3015 | B | C | 4B |
| L3501 | A | C | 4D |
| L3502 | A | C | 4C |
| L3503 | A | C | 3C |
| L3504 | A | C | 3C |
| L3505 | A | C | 3D |
| L3701 | A | C | 5A |
| L3731 | B | C | 4C |
| L3732 | B | C | 4C |
| L3801 | B | C | 4C |
| L3802 | B | C | 4C |
| L3803 | B | C | 5D |
| L3804 | B | C | 5D |
| L4201 | A | C | 1C |
| L4301 | B | C | 2C |
| L4302 | B | C | 2C |
| L4303 | B | C | 2B |
| L4304 | B | C | 2B |
| L4305 | B | C | 2B |
| L4802 | A | C | 1D |
| L4851 | A | C | 2D |
| L4852 | A | C | 2C |
| L4853 | A | C | 1D |
| L5001 | A | C | 2B |
| L5002 | A | C | 1C |
| L5003 | A | C | 3C |
| L5004 | A | C | 1C |
| L5005 | A | C | 2C |
| L5006 | A | C | 1C |
| L5007 | A | C | 1C |
| L6101 | A | C | 3B |
| L6102 | A | C | 4B |
| L6201 | A | C | 3A |
| L6202 | A | C | 4A |
| L6203 | A | C | 3A |
| L6204 | A | C | 3A |
| L6206 | A | C | 4B |
| L6207 | A | C | 4B |
| L6208 | A | C | 3C |
| L6701 | A | C | 5B |
| L8001 | B | C | 5B |
| L8002 | B | C | 5B |
| L8003 | B | C | 5B |
| L8004 | B | C | 4A |
| L8005 | B | C | 5B |
| L8006 | B | C | 4A |
| L8301 | B | C | 5C |
| L8302 | B | C | 5D |
| **TRANSISTOR** | | | |
| Q1001 | B | C | 3C |
| Q1002 | B | C | 3C |
| Q1003 | B | C | 2C |
| Q1004 | B | C | 2C |
| Q1005 | B | C | 2C |
| Q1006 | A | C | 4C |
| Q1007 | A | C | 4D |
| Q1401 | B | C | 4A |
| Q1402 | B | C | 4A |
| Q1403 | B | C | 4A |
| Q2701 | A | C | 5A |
| Q2751 | A | C | 5A |
| Q2752 | A | C | 5A |
| Q3701 | A | C | 5C |
| Q3702 | A | C | 5B |
| Q3703 | A | C | 5C |
| Q3704 | A | C | 5C |
| Q3705 | A | C | 5D |
| Q3731 | B | C | 4C |
| Q3732 | B | C | 5C |
| Q3733 | B | C | 5D |
| Q3734 | B | C | 4D |
| Q3735 | B | C | 4C |
| Q4801 | A | C | 1D |
| Q4802 | A | C | 3D |
| Q4803 | A | C | 3C |
| Q4804 | A | C | 3C |

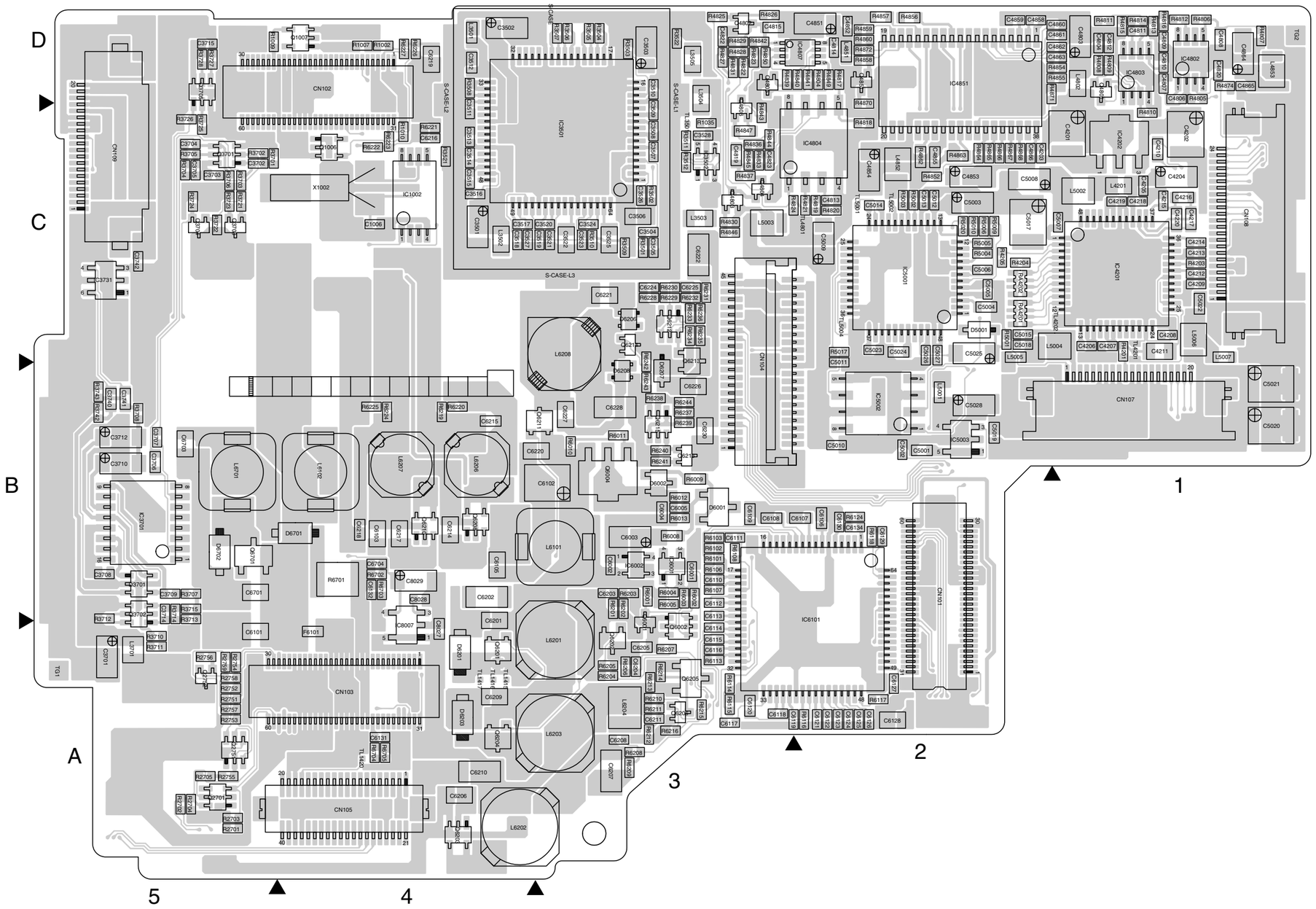
## COMPONENT PARTS LOCATION GUIDE <MAIN/YB10374-01-01>



| REF.NO. | LOCATION | | |
|---|---|---|---|
| Q4805 | A | C | 3D |
| Q4806 | A | C | 3C |
| Q4851 | A | C | 2D |
| Q6001 | A | C | 3A |
| Q6002 | A | C | 3A |
| Q6004 | A | C | 3B |
| Q6201 | A | C | 4A |
| Q6202 | A | C | 3A |
| Q6203 | A | C | 4A |
| Q6204 | A | C | 4A |
| Q6205 | A | C | 3A |
| Q6206 | A | C | 3A |
| Q6208 | A | C | 4B |
| Q6210 | A | C | 4B |
| Q6211 | A | C | 3B |
| Q6212 | A | C | 3C |
| Q6213 | A | C | 3B |
| Q6214 | A | C | 3C |
| Q6215 | A | C | 3B |
| Q6216 | A | C | 3B |
| Q6701 | A | C | 5B |
| Q8001 | B | C | 5B |
| Q8002 | B | C | 4B |
| **RESISTOR** | | | |
| R1001 | B | C | 2C |
| R1002 | A | C | 4D |
| R1003 | B | C | 3C |
| R1004 | B | C | 2C |
| R1005 | B | C | 2C |
| R1006 | B | C | 3C |
| R1007 | A | C | 4D |
| R1008 | B | C | 2D |
| R1009 | A | C | 4D |
| R1010 | A | C | 4C |
| R1011 | B | C | 2C |
| R1012 | B | C | 2C |
| R1014 | B | C | 2C |
| R1015 | B | C | 2C |
| R1016 | B | C | 2C |
| R1018 | B | C | 4C |
| R1019 | B | C | 2D |
| R1020 | B | C | 4C |
| R1021 | B | C | 4C |
| R1022 | B | C | 4C |
| R1023 | B | C | 2D |
| R1024 | B | C | 2D |
| R1026 | B | C | 2C |
| R1027 | B | C | 2D |
| R1028 | B | C | 2D |
| R1029 | B | C | 3D |
| R1030 | B | C | 3D |
| R1031 | B | C | 2C |
| R1032 | B | C | 2C |
| R1033 | B | C | 2C |
| R1034 | B | C | 2C |
| R1035 | A | C | 3C |
| R1036 | B | C | 2C |
| R1037 | B | C | 3C |
| R1038 | B | C | 2D |
| R1039 | B | C | 4C |
| R1044 | B | C | 2D |
| R1045 | B | C | 2D |
| R1046 | B | C | 2D |
| R1047 | B | C | 2D |
| R1048 | B | C | 2D |
| R1049 | B | C | 2D |
| R1050 | B | C | 2D |
| R1051 | B | C | 3C |
| R1052 | B | C | 3C |
| R1053 | B | C | 3C |
| R1054 | B | C | 3C |
| R1055 | B | C | 3C |
| R1056 | B | C | 3C |
| R1057 | B | C | 3C |
| R1058 | B | C | 3C |
| R1060 | B | C | 2C |
| R1061 | B | C | 3C |
| R1066 | B | C | 4C |
| R1071 | B | C | 2C |
| R1072 | B | C | 3C |
| R1076 | B | C | 4D |
| R1077 | B | C | 3D |
| R1078 | B | C | 3D |
| R1079 | B | C | 3D |
| R1080 | B | C | 2C |
| R1081 | B | C | 3D |
| R1082 | B | C | 3D |
| R1083 | B | C | 2C |
| R1084 | B | C | 2D |
| R1085 | B | C | 3C |
| R1401 | B | C | 4A |
| R1402 | B | C | 4A |
| R1403 | B | C | 4A |
| R1404 | B | C | 3A |
| R1405 | B | C | 4A |
| R1406 | B | C | 3A |
| R1407 | B | C | 3A |
| R1408 | B | C | 4A |
| R1409 | B | C | 4A |
| R1410 | B | C | 4A |
| R1411 | B | C | 4A |
| R1412 | B | C | 4A |
| R1413 | B | C | 4A |
| R1414 | B | C | 4A |
| R1415 | B | C | 3A |
| R1416 | B | C | 3A |
| R1417 | B | C | 3A |
| R1421 | B | C | 4A |
| R1422 | B | C | 4A |
| R1423 | B | C | 4A |
| R1425 | B | C | 4A |
| R1426 | B | C | 4A |
| R2151 | B | C | 2B |
| R2152 | B | C | 2B |
| R2153 | B | C | 2A |
| R2701 | A | C | 5A |
| R2702 | A | C | 5A |
| R2703 | A | C | 5A |
| R2704 | A | C | 5A |
| R2705 | A | C | 5A |
| R2751 | A | C | 5A |
| R2752 | A | C | 5A |
| R2753 | A | C | 5A |
| R2754 | A | C | 5A |
| R2755 | A | C | 5A |
| R2756 | A | C | 5A |
| R2757 | A | C | 5A |
| R2758 | A | C | 5A |
| R2759 | A | C | 5A |
| R3002 | B | C | 4B |
| R3003 | B | C | 4B |
| R3004 | B | C | 4B |
| R3005 | B | C | 3B |
| R3006 | B | C | 3B |
| R3007 | B | C | 4B |
| R3008 | B | C | 4B |
| R3009 | B | C | 4C |
| R3010 | B | C | 4C |
| R3011 | B | C | 4C |
| R3013 | B | C | 3B |
| R3014 | B | C | 3B |
| R3015 | B | C | 3B |
| R3016 | B | C | 4B |
| R3017 | B | C | 4B |
| R3018 | B | C | 4B |
| R3019 | B | C | 4B |
| R3020 | B | C | 4B |
| R3027 | B | C | 3C |
| R3029 | B | C | 3C |
| R3030 | B | C | 3C |
| R3031 | B | C | 3C |
| R3032 | B | C | 3C |
| R3033 | B | C | 3C |
| R3034 | B | C | 3A |
| R3036 | B | C | 4B |
| R3037 | B | C | 4B |
| R3040 | B | C | 4B |
| R3041 | B | C | 4B |
| R3042 | B | C | 4B |
| R3043 | B | C | 4B |
| R3044 | B | C | 4B |
| R3045 | B | C | 4B |
| R3046 | B | C | 4B |
| R3049 | B | C | 4B |
| R3050 | B | C | 4B |
| R3057 | B | C | 4B |
| R3059 | B | C | 3B |
| R3070 | B | C | 4B |
| R3075 | B | C | 4B |
| R3501 | A | C | 3C |
| R3502 | A | C | 3C |
| R3503 | A | C | 3D |
| R3504 | A | C | 3D |
| R3505 | A | C | 3D |
| R3506 | A | C | 3D |
| R3507 | A | C | 3D |
| R3508 | A | C | 4D |
| R3509 | A | C | 3C |
| R3510 | A | C | 3C |
| R3511 | A | C | 3C |
| R3512 | A | C | 3C |
| R3521 | A | C | 4C |
| R3522 | A | C | 3D |
| R3701 | A | C | 4C |
| R3702 | A | C | 5C |
| R3703 | A | C | 5C |
| R3704 | A | C | 5C |
| R3705 | A | C | 5C |
| R3706 | A | C | 5C |
| R3707 | A | C | 5B |
| R3708 | A | C | 5B |
| R3710 | A | C | 5A |
| R3711 | A | C | 5A |
| R3712 | A | C | 5B |
| R3713 | A | C | 5A |
| R3714 | A | C | 5B |
| R3715 | A | C | 5B |
| R3721 | A | C | 5C |
| R3722 | A | C | 5C |
| R3723 | A | C | 5C |
| R3724 | A | C | 5C |
| R3725 | A | C | 5C |
| R3726 | A | C | 5C |
| R3727 | A | C | 5D |
| R3728 | A | C | 5D |
| R3730 | B | C | 4C |
| R3731 | B | C | 4C |
| R3732 | B | C | 4C |
| R3733 | B | C | 4C |
| R3734 | B | C | 4C |
| R3735 | B | C | 5C |
| R3736 | B | C | 5C |
| R3737 | B | C | 4C |
| R3738 | B | C | 5D |
| R3739 | B | C | 4D |
| R3740 | B | C | 4C |
| R3741 | B | C | 4D |
| R3742 | A | C | 5B |
| R3743 | A | C | 5B |
| R3744 | B | C | 4C |
| R3745 | B | C | 4C |
| R3746 | B | C | 4C |
| R3747 | B | C | 4C |
| R3748 | B | C | 4C |
| R3801 | B | C | 4C |
| R3802 | B | C | 4C |
| R3803 | B | C | 4D |
| R3804 | B | C | 4C |
| R3805 | B | C | 4C |
| R3806 | B | C | 4C |
| R3807 | B | C | 4C |
| R3808 | B | C | 4C |
| R3809 | B | C | 4C |
| R4201 | A | C | 1C |
| R4203 | A | C | 1C |
| R4204 | A | C | 2C |
| R4205 | A | C | 2C |
| R4301 | B | C | 2B |
| R4302 | B | C | 2B |
| R4303 | B | C | 2C |
| R4304 | B | C | 2B |
| R4305 | B | C | 2B |
| R4306 | B | C | 2C |
| R4307 | B | C | 2B |
| R4308 | B | C | 2C |
| R4309 | B | C | 2B |
| R4310 | B | C | 2C |
| R4311 | B | C | 2C |
| R4312 | B | C | 2B |
| R4313 | B | C | 2C |
| R4314 | B | C | 2C |
| R4315 | B | C | 2C |
| R4316 | B | C | 2B |
| R4317 | B | C | 2B |
| R4318 | B | C | 2B |
| R4320 | B | C | 2B |
| R4321 | B | C | 2B |
| R4322 | B | C | 2C |
| R4323 | B | C | 2C |
| R4804 | A | C | 2D |
| R4805 | A | C | 1C |
| R4806 | A | C | 1D |
| R4807 | A | C | 1D |
| R4808 | A | C | 1D |
| R4809 | A | C | 1D |
| R4810 | A | C | 1C |
| R4811 | A | C | 1D |
| R4812 | A | C | 1D |
| R4813 | A | C | 1D |
| R4814 | A | C | 1D |
| R4815 | A | C | 1D |
| R4816 | A | C | 1D |
| R4817 | A | C | 2D |
| R4818 | A | C | 2C |
| R4819 | A | C | 2C |
| R4820 | A | C | 2C |
| R4821 | A | C | 2C |
| R4822 | A | C | 3D |
| R4823 | A | C | 3D |
| R4824 | A | C | 2C |
| R4825 | A | C | 3D |
| R4826 | A | C | 3D |
| R4827 | A | C | 3D |
| R4828 | A | C | 3D |
| R4829 | A | C | 3D |
| R4830 | A | C | 3C |
| R4831 | A | C | 3D |
| R4833 | A | C | 3C |
| R4836 | A | C | 3C |
| R4837 | A | C | 3C |
| R4839 | A | C | 3D |
| R4840 | A | C | 2D |
| R4841 | A | C | 2D |
| R4842 | A | C | 3D |
| R4843 | A | C | 3C |
| R4844 | A | C | 3C |
| R4845 | A | C | 3C |
| R4846 | A | C | 3C |
| R4847 | A | C | 3C |
| R4849 | A | C | 2D |
| R4850 | A | C | 3D |
| R4852 | A | C | 2C |
| R4854 | A | C | 1D |
| R4855 | A | C | 1D |
| R4856 | A | C | 2D |
| R4857 | A | C | 2D |
| R4858 | A | C | 2D |
| R4859 | A | C | 2D |
| R4860 | A | C | 2D |
| R4862 | A | C | 2C |
| R4863 | A | C | 2C |
| R4864 | A | C | 2C |
| R4865 | A | C | 2C |
| R4866 | A | C | 2C |
| R4867 | A | C | 2C |
| R4868 | A | C | 2C |
| R4870 | A | C | 2C |
| R4871 | A | C | 1D |
| R4872 | A | C | 2D |
| R4874 | A | C | 1D |
| R5001 | A | C | 2C |
| R5002 | A | C | 2C |
| R5003 | A | C | 2C |
| R5004 | A | C | 2C |
| R5005 | A | C | 2C |
| R5006 | A | C | 2C |
| R5009 | A | C | 2C |
| R5010 | A | C | 2C |
| R5017 | A | C | 2C |
| R5020 | A | C | 2C |
| R6001 | A | C | 3B |
| R6002 | A | C | 3B |
| R6003 | A | C | 3B |
| R6004 | A | C | 3B |
| R6005 | A | C | 3B |
| R6008 | A | C | 3B |
| R6009 | A | C | 3B |
| R6010 | A | C | 3B |
| R6011 | A | C | 3B |
| R6012 | A | C | 3B |
| R6013 | A | C | 3B |
| R6101 | A | C | 3B |
| R6102 | A | C | 3B |
| R6103 | A | C | 3B |
| R6106 | A | C | 3B |
| R6107 | A | C | 3B |
| R6108 | A | C | 3B |
| R6113 | A | C | 3A |
| R6114 | A | C | 3A |
| R6115 | A | C | 3A |
| R6116 | A | C | 2A |
| R6117 | A | C | 2A |
| R6118 | A | C | 2B |
| R6124 | A | C | 2B |
| R6201 | A | C | 3B |
| R6202 | A | C | 3B |
| R6203 | A | C | 3B |
| R6204 | A | C | 3A |
| R6205 | A | C | 3A |
| R6206 | A | C | 3A |
| R6207 | A | C | 3A |
| R6208 | A | C | 3A |
| R6209 | A | C | 3A |
| R6210 | A | C | 3A |
| R6211 | A | C | 3A |
| R6212 | A | C | 3A |
| R6213 | A | C | 3A |
| R6214 | A | C | 3A |
| R6215 | A | C | 3A |
| R6216 | A | C | 3A |
| R6219 | A | C | 4B |
| R6220 | A | C | 4B |
| R6221 | A | C | 4C |
| R6222 | A | C | 4C |
| R6223 | A | C | 4C |
| R6224 | A | C | 4B |
| R6225 | A | C | 4B |
| R6226 | A | C | 4D |
| R6227 | A | C | 4D |
| R6228 | A | C | 3C |
| R6229 | A | C | 3C |
| R6230 | A | C | 3C |
| R6231 | A | C | 3C |
| R6232 | A | C | 3C |
| R6233 | A | C | 3C |
| R6234 | A | C | 3C |
| R6235 | A | C | 3C |
| R6236 | A | C | 3C |
| R6237 | A | C | 3B |
| R6238 | A | C | 3B |
| R6239 | A | C | 3B |
| R6240 | A | C | 3B |
| R6241 | A | C | 3B |
| R6242 | A | C | 3B |
| R6243 | A | C | 3B |
| R6244 | A | C | 3B |
| R6701 | A | C | 4B |
| R6702 | A | C | 4B |
| R6703 | A | C | 4B |
| R6704 | A | C | 4A |
| R6705 | A | C | 4A |
| R8001 | B | C | 5A |
| R8002 | B | C | 5A |
| R8003 | B | C | 5A |
| R8005 | B | C | 5B |
| R8006 | B | C | 5B |
| R8007 | B | C | 4B |
| R8008 | B | C | 4B |
| R8009 | B | C | 4B |
| R8010 | B | C | 4B |
| R8016 | B | C | 4B |
| R8017 | B | C | 5A |
| R8018 | B | C | 5A |
| R8019 | B | C | 5A |
| R8020 | B | C | 5B |
| R8022 | B | C | 4A |
| R8025 | B | C | 4B |
| R8027 | B | C | 5B |
| R8028 | B | C | 4B |
| R8029 | B | C | 4B |
| R8030 | B | C | 4B |
| R8031 | B | C | 4B |
| R8032 | B | C | 4A |
| R8034 | B | C | 4A |
| R8036 | B | C | 5B |
| R8037 | B | C | 4B |
| R8038 | B | C | 5B |
| R8041 | B | C | 5A |
| R8043 | B | C | 5B |
| R8045 | B | C | 5A |
| R8046 | B | C | 4B |
| R8047 | B | C | 4A |
| R8056 | B | C | 4B |
| R8057 | B | C | 4B |
| R8059 | B | C | 5B |
| R8060 | B | C | 5B |
| R8063 | B | C | 5A |
| R8064 | B | C | 4B |
| R8065 | B | C | 5B |
| R8066 | B | C | 4B |
| R8067 | B | C | 5B |
| R8068 | B | C | 4A |
| R8069 | B | C | 4A |
| R8070 | B | C | 4A |
| R8071 | B | C | 5A |
| R8073 | B | C | 4B |
| R8074 | B | C | 4B |
| R8075 | B | C | 4B |
| R8301 | B | C | 5D |
| R8302 | B | C | 5D |
| R8303 | B | C | 5D |
| R8305 | B | C | 5C |
| R8306 | B | C | 5D |
| R8307 | B | C | 5C |
| R8308 | B | C | 5C |
| R8309 | B | C | 5C |
| R8310 | B | C | 5C |
| R8312 | B | C | 5C |
| R8313 | B | C | 5C |
| RA1008 | B | C | 3C |
| RA1009 | B | C | 3C |
| RA1010 | B | C | 3C |
| RA1401 | B | C | 4A |
| RA3001 | B | C | 3C |
| RA3002 | B | C | 3C |
| RA3003 | B | C | 3A |
| RA3004 | B | C | 4B |
| RA3005 | B | C | 4B |
| RA4201 | A | C | 2C |
| RA4202 | A | C | 2C |
| RA4301 | B | C | 3B |
| RA4302 | B | C | 3C |
| RA4303 | B | C | 3C |
| RA4304 | B | C | 3C |
| RA4305 | B | C | 2C |
| RA4306 | B | C | 2C |
| RA4307 | B | C | 2B |
| RA4308 | B | C | 2B |
| RA8001 | B | C | 4B |
| RA8002 | B | C | 4B |
| RA8003 | B | C | 4B |
| RA8004 | B | C | 4B |
| **OTHER** | | | |
| TL1001 | B | C | 3C |
| TL1002 | B | C | 2C |
| TL1003 | B | C | 3C |
| TL1036 | B | C | 3C |
| TL1401 | B | C | 4A |
| TL1402 | B | C | 4A |
| TL1403 | B | C | 4A |
| TL1404 | B | C | 4A |
| TL1405 | B | C | 3A |
| TL1407 | B | C | 4B |
| TL1411 | B | C | 3A |
| TL1415 | A | C | 4A |
| TL1416 | A | C | 4A |
| TL1417 | A | C | 4A |
| TL1418 | B | C | 4A |
| TL1419 | B | C | 4A |
| TL1420 | A | C | 4A |
| TL3001 | B | C | 4B |
| TL3002 | B | C | 2A |
| TL3501 | A | C | 3C |
| TL3801 | B | C | 4C |
| TL3802 | B | C | 4C |
| TL4201 | A | C | 1C |
| TL4202 | A | C | 1C |
| TL4304 | B | C | 2B |
| TL4305 | B | C | 2B |
| TL4306 | B | C | 2B |
| TL4308 | B | C | 2B |
| TL4316 | B | C | 2C |
| TL4317 | B | C | 2B |
| TL4318 | B | C | 2B |
| TL4801 | A | C | 2C |
| TL5001 | A | C | 2C |
| TL5002 | A | C | 2C |
| TL5004 | A | C | 2C |
| TL8003 | B | C | 4B |
| TL8004 | B | C | 4C |
| TL8013 | B | C | 5C |
| TL8014 | B | C | 4B |
| TL8016 | B | C | 4B |
| TL8017 | B | C | 4B |
| TL8018 | B | C | 4A |
| TL8019 | B | C | 5B |
| TL8301 | B | C | 5C |
| TL8302 | B | C | 5D |
| TL8303 | B | C | 5C |
| TL8304 | B | C | 5D |
| X1001 | B | C | 3C |
| X1002 | A | C | 4C |
| X1401 | B | C | 4A |
| X3002 | B | C | 3C |
| X4301 | B | C | 2B |
| X8002 | B | C | 5B |
| X8301 | B | C | 5C |

**<01> MAIN**
**YB10374-01-01**

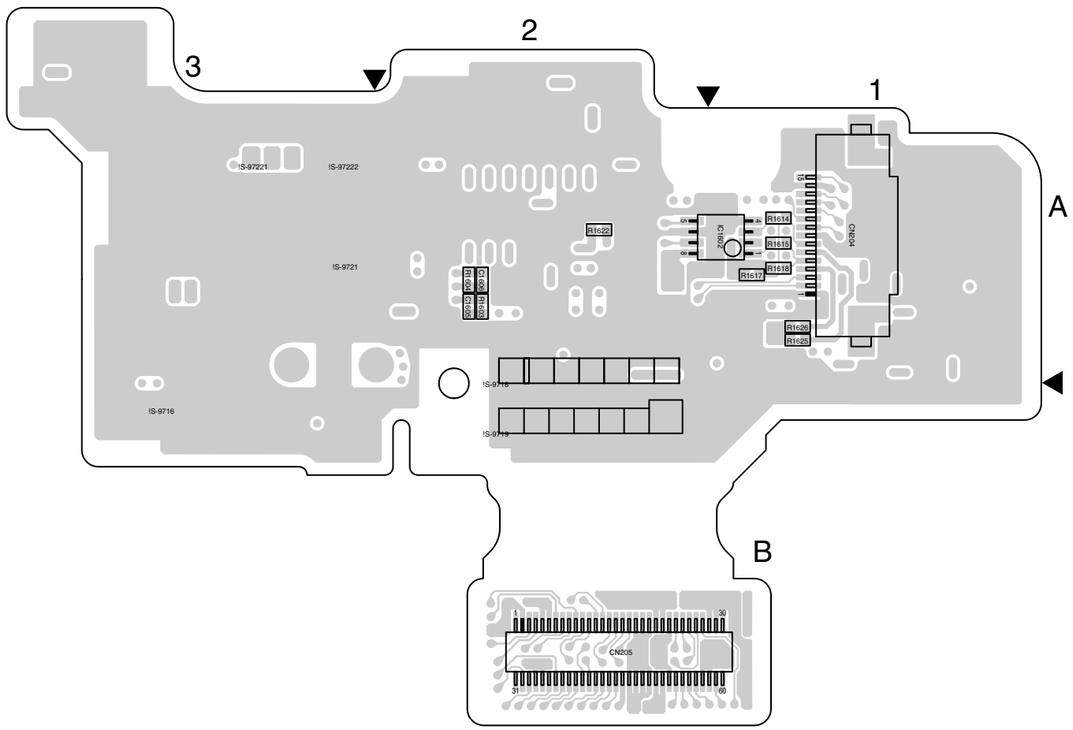
COMPONENT SIDE(A)



## 4.23 MDA CIRCUIT BOARD

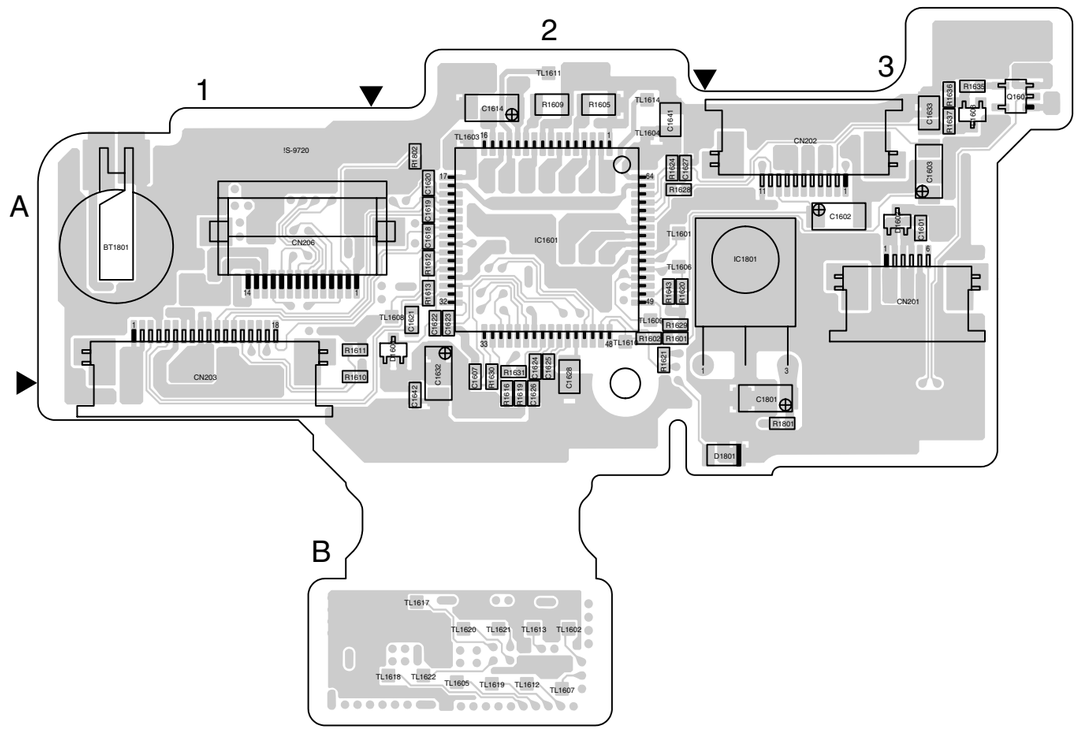
FOIL SIDE (B)

**<02> MDA PWB**
**YB10376-01-01**




COMPONENT SIDE (A)

**<02> MDA PWB**
**YB10376-01-01**



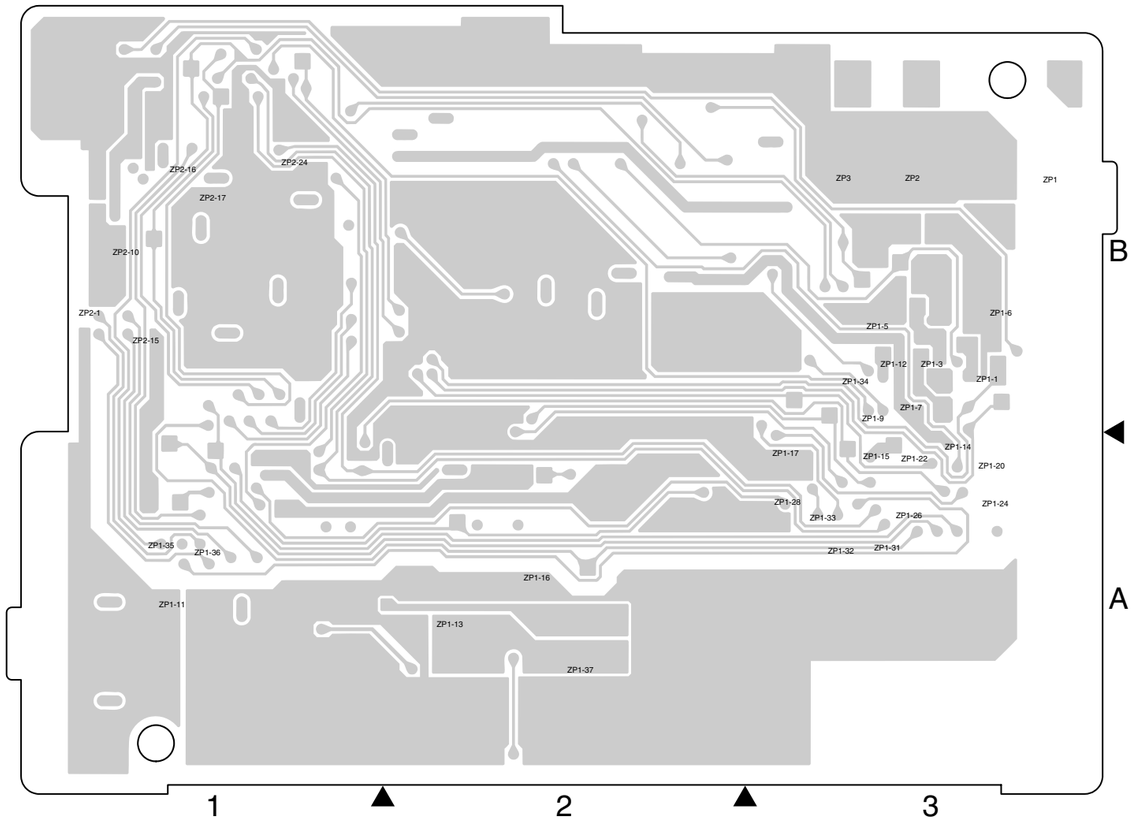

**COMPONENT PARTS LOCATION GUIDE <MDA/YB10376-01-01>**

| REF.NO. | LOCATION | | |
|---|---|---|---|
| **CAPACITOR** | | | |
| C1601 | A | C | 3A |
| C1602 | A | C | 3A |
| C1603 | A | C | 3A |
| C1605 | B | C | 2A |
| C1606 | B | C | 2A |
| C1607 | A | C | 2B |
| C1614 | A | C | 2A |
| C1618 | A | C | 2A |
| C1619 | A | C | 2A |
| C1620 | A | C | 2A |
| C1621 | A | C | 2A |
| C1622 | A | C | 2A |
| C1623 | A | C | 2A |
| C1624 | A | C | 2B |
| C1625 | A | C | 2B |
| C1626 | A | C | 2B |
| C1627 | A | C | 2A |
| C1628 | A | C | 2B |
| C1632 | A | C | 2B |
| C1633 | A | C | 3A |
| C1641 | A | C | 2A |
| C1642 | A | C | 2B |
| C1801 | A | C | 3B |
| **CONNECTOR** | | | |
| CN201 | A | C | 3A |
| CN202 | A | C | 3A |
| CN203 | A | C | 1B |
| CN204 | B | C | 1A |
| CN205 | B | C | 2B |
| CN206 | A | C | 1A |
| **DIODE** | | | |
| D1602 | A | C | 3A |
| D1603 | A | C | 3A |
| D1604 | A | C | 2B |
| D1801 | A | C | 3B |
| **IC** | | | |
| IC1601 | A | C | 2A |
| IC1602 | B | C | 1A |
| IC1801 | A | D | 3A |
| **TRANSISTOR** | | | |
| Q1601 | A | C | 3A |
| **RESISTOR** | | | |
| R1601 | A | C | 2A |
| R1602 | A | C | 2A |
| R1603 | B | C | 2A |
| R1604 | B | C | 2A |
| R1605 | A | C | 2A |
| R1609 | A | C | 2A |
| R1610 | A | C | 1B |
| R1611 | A | C | 1B |
| R1612 | A | C | 2A |
| R1613 | A | C | 2A |
| R1614 | B | C | 1A |
| R1615 | B | C | 1A |
| R1616 | A | C | 2B |
| R1617 | B | C | 1A |
| R1618 | B | C | 1A |
| R1619 | A | C | 2B |
| R1620 | A | C | 2A |
| R1621 | A | C | 2B |
| R1622 | B | C | 2A |
| R1624 | A | C | 2A |
| R1625 | B | C | 1A |
| R1626 | B | C | 1A |
| R1628 | A | C | 2A |
| R1629 | A | C | 2A |
| R1630 | A | C | 2B |
| R1631 | A | C | 2B |
| R1635 | A | C | 3A |
| R1636 | A | C | 3A |
| R1637 | A | C | 3A |
| R1643 | A | C | 2A |
| R1801 | A | C | 3B |
| R1802 | A | C | 2A |
| **OTHER** | | | |
| BT1801 | A | C | 1A |
| TL1601 | A | C | 2A |
| TL1602 | A | C | 2B |
| TL1602 | A | C | 3C |
| TL1603 | A | C | 2A |
| TL1604 | A | C | 2A |
| TL1605 | A | C | 2C |
| TL1605 | A | C | 3C |
| TL1606 | A | C | 2A |
| TL1607 | A | C | 2C |
| TL1607 | A | C | 3C |
| TL1608 | A | C | 2A |
| TL1609 | A | C | 2A |
| TL1610 | A | C | 2B |
| TL1611 | A | C | 2A |
| TL1612 | A | C | 2C |
| TL1612 | A | C | 3C |
| TL1613 | A | C | 2B |
| TL1613 | A | C | 3C |
| TL1614 | A | C | 2A |
| TL1617 | A | C | 2B |
| TL1617 | A | C | 3B |
| TL1618 | A | C | 2C |
| TL1618 | A | C | 3B |
| TL1619 | A | C | 2C |
| TL1619 | A | C | 3C |
| TL1620 | A | C | 2B |
| TL1620 | A | C | 3C |
| TL1621 | A | C | 2B |
| TL1621 | A | C | 3C |
| TL1622 | A | C | 2C |
| TL1622 | A | C | 3B |

## 4.24 MONITOR CIRCUIT BOARD

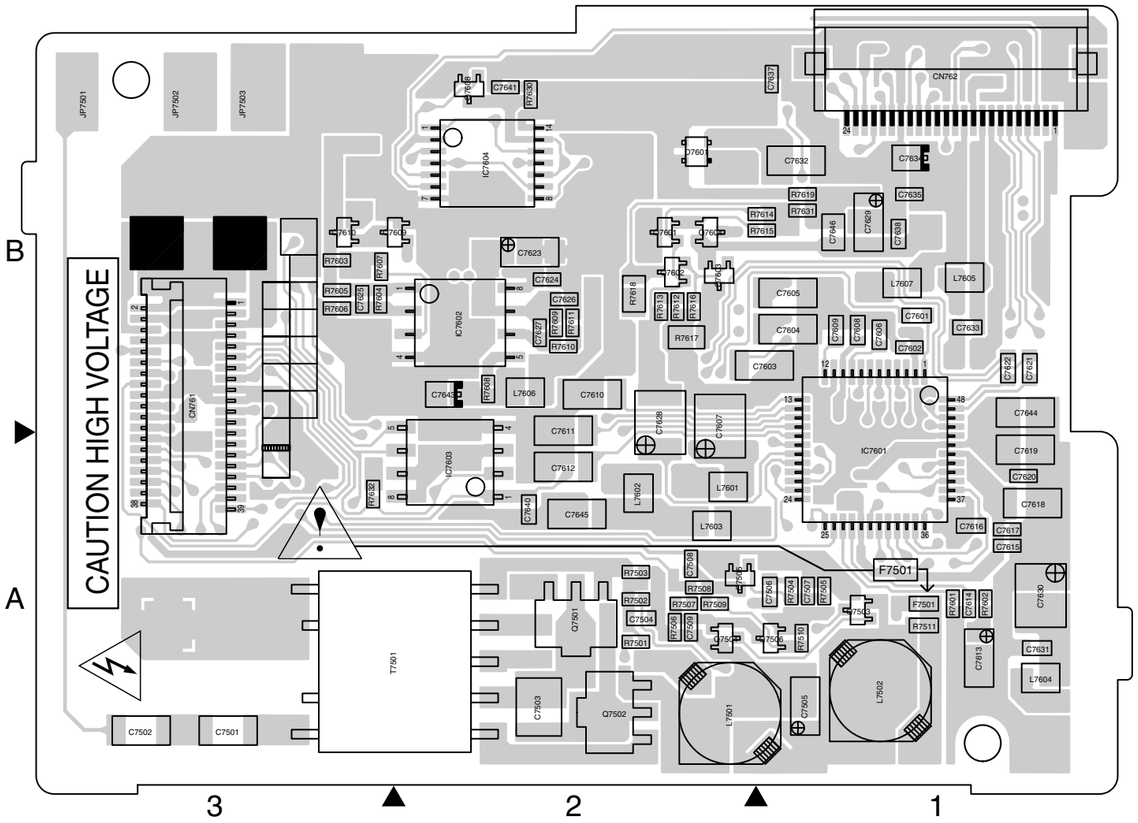
**<04> MONITOR PWB**
**YB10381-01-01**

FOIL SIDE (B)




COMPONENT SIDE (A)

**<04> MONITOR PWB**
**YB10381-01-01**



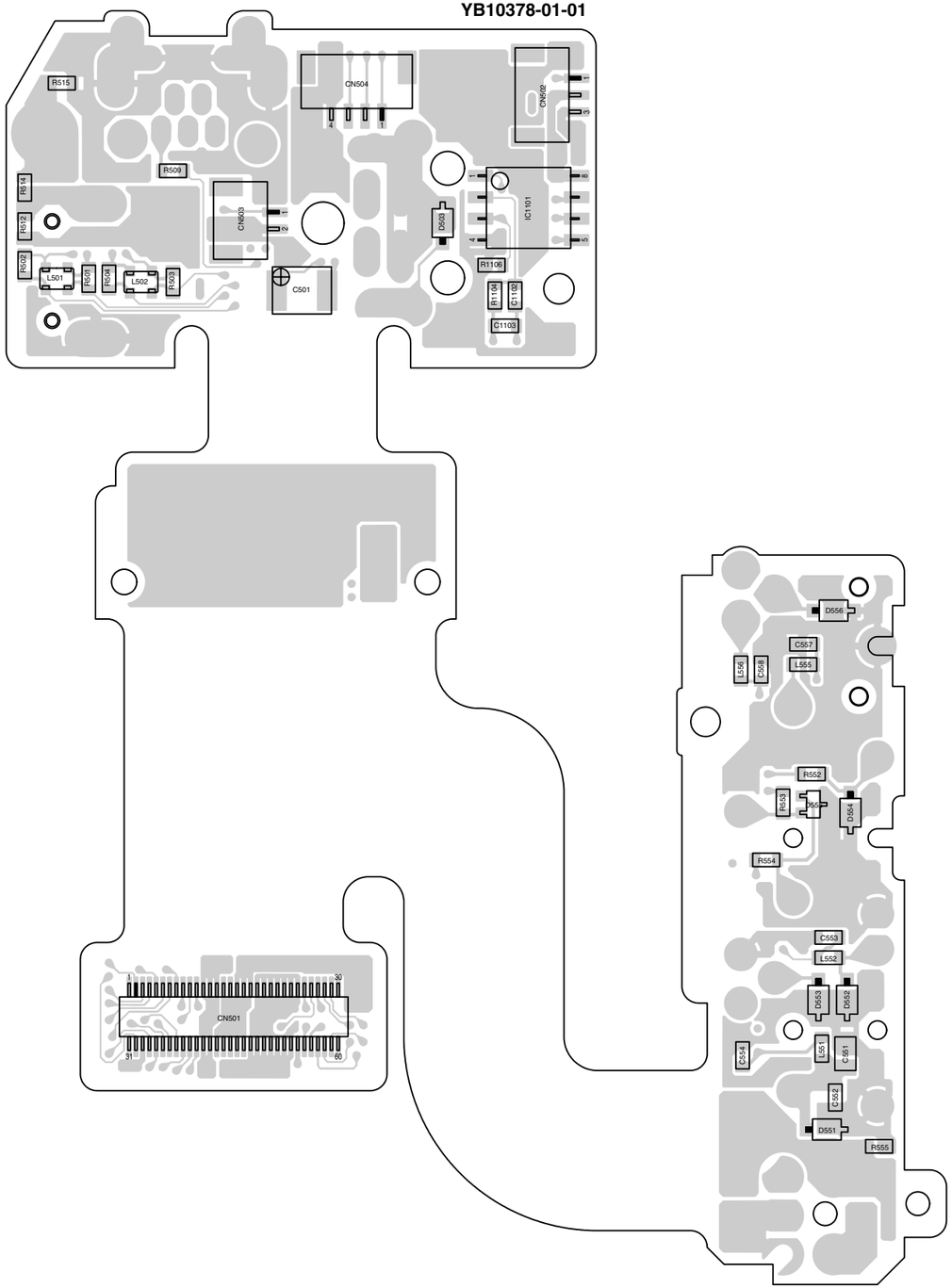

**COMPONENT PARTS LOCATION GUIDE <MONITOR/YB10381-01-01>**

| REF.NO. | LOCATION | | |
|---|---|---|---|
| **CAPACITOR** | | | |
| C7501 | A | C | 3A |
| C7502 | A | C | 3A |
| C7503 | A | C | 2A |
| C7504 | A | C | 2A |
| C7505 | A | C | 1A |
| C7506 | A | C | 1A |
| C7507 | A | C | 1A |
| C7508 | A | C | 2A |
| C7509 | A | C | 2A |
| C7601 | A | C | 1B |
| C7602 | A | C | 1B |
| C7603 | A | C | 1B |
| C7604 | A | C | 1B |
| C7605 | A | C | 1B |
| C7606 | A | C | 1B |
| C7607 | A | C | 1B |
| C7608 | A | C | 1B |
| C7609 | A | C | 1B |
| C7610 | A | C | 2B |
| C7611 | A | C | 2B |
| C7612 | A | C | 2A |
| C7613 | A | C | 1A |
| C7614 | A | C | 1A |
| C7615 | A | C | 1A |
| C7616 | A | C | 1A |
| C7617 | A | C | 1A |
| C7618 | A | C | 1A |
| C7619 | A | C | 1A |
| C7620 | A | C | 1A |
| C7621 | A | C | 1B |
| C7622 | A | C | 1B |
| C7623 | A | C | 2B |
| C7624 | A | C | 2B |
| C7625 | A | C | 2B |
| C7626 | A | C | 2B |
| C7627 | A | C | 2B |
| C7628 | A | C | 2B |
| C7629 | A | C | 1B |
| C7630 | A | C | 1A |
| C7631 | A | C | 1A |
| C7632 | A | C | 1B |
| C7633 | A | C | 1B |
| C7634 | A | C | 1B |
| C7635 | A | C | 1B |
| C7637 | A | C | 1B |
| C7638 | A | C | 1B |
| C7640 | A | C | 2A |
| C7641 | A | C | 2B |
| C7643 | A | C | 2B |
| C7644 | A | C | 1B |
| C7645 | A | C | 2A |
| C7646 | A | C | 1B |
| **CONNECTOR** | | | |
| CN761 | A | C | 3B |
| CN762 | A | C | 1B |
| **DIODE** | | | |
| D7601 | A | C | 2B |
| **FUSE** | | | |
| F7501 | A | C | 1A |
| **IC** | | | |
| IC7601 | A | C | 1A |
| IC7602 | A | C | 2B |
| IC7603 | A | C | 2A |
| IC7604 | A | C | 2B |
| **COIL** | | | |
| L7501 | A | C | 1A |
| L7502 | A | C | 1A |
| L7601 | A | C | 1A |
| L7602 | A | C | 2A |
| L7603 | A | C | 1A |
| L7604 | A | C | 1A |
| L7605 | A | C | 1B |
| L7606 | A | C | 2B |
| L7607 | A | C | 1B |
| **TRANSISTOR** | | | |
| Q7501 | A | C | 2A |
| Q7502 | A | C | 2A |
| Q7503 | A | C | 1A |
| Q7504 | A | C | 1A |
| Q7505 | A | C | 1A |
| Q7506 | A | C | 1A |
| Q7601 | A | C | 2B |
| Q7602 | A | C | 2B |
| Q7603 | A | C | 1B |
| Q7604 | A | C | 1B |
| Q7608 | A | C | 2B |
| Q7609 | A | C | 2B |
| Q7610 | A | C | 2B |
| **RESISTOR** | | | |
| R7501 | A | C | 2A |
| R7502 | A | C | 2A |
| R7503 | A | C | 2A |
| R7504 | A | C | 1A |
| R7505 | A | C | 1A |
| R7506 | A | C | 2A |
| R7507 | A | C | 2A |
| R7508 | A | C | 2A |
| R7509 | A | C | 1A |
| R7510 | A | C | 1A |
| R7511 | A | C | 1A |
| R7618 | A | C | 2B |
| R7601 | A | C | 1A |
| R7602 | A | C | 1A |
| R7603 | A | C | 3B |
| R7604 | A | C | 2B |
| R7605 | A | C | 3B |
| R7606 | A | C | 3B |
| R7607 | A | C | 2B |
| R7608 | A | C | 2B |
| R7609 | A | C | 2B |
| R7610 | A | C | 2B |
| R7611 | A | C | 2B |
| R7612 | A | C | 2B |
| R7613 | A | C | 2B |
| R7614 | A | C | 1B |
| R7615 | A | C | 1B |
| R7616 | A | C | 2B |
| R7617 | A | C | 2B |
| R7618 | A | C | 2B |
| R7619 | A | C | 1B |
| R7630 | A | C | 2B |
| R7631 | A | C | 1B |
| R7632 | A | C | 2A |
| **OTHER** | | | |
| JP7501 | A | C | 3B |
| JP7502 | A | C | 3B |
| JP7503 | A | C | 3B |
| T7501 | A | C | 2A |
| ZP1 | B | C | 3B |
| ZP2 | B | C | 3B |
| ZP3 | B | C | 3B |
| ZP1-1 | B | C | 3B |
| ZP1-3 | B | C | 3B |
| ZP1-5 | B | C | 3B |
| ZP1-6 | B | C | 3B |
| ZP1-7 | B | C | 3B |
| ZP1-9 | B | C | 3B |
| ZP2-1 | B | C | 1B |
| ZP1-11 | B | C | 1A |
| ZP1-12 | B | C | 3B |
| ZP1-13 | B | C | 2A |
| ZP1-14 | B | C | 3B |
| ZP1-15 | B | C | 3B |
| ZP1-16 | B | C | 2A |
| ZP1-17 | B | C | 2B |
| ZP1-20 | B | C | 3B |
| ZP1-22 | B | C | 3B |
| ZP1-24 | B | C | 3B |
| ZP1-26 | B | C | 3B |
| ZP1-28 | B | C | 2B |
| ZP1-31 | B | C | 3A |
| ZP1-32 | B | C | 3A |
| ZP1-33 | B | C | 3B |
| ZP1-34 | B | C | 3B |
| ZP1-35 | B | C | 1A |
| ZP1-36 | B | C | 1A |
| ZP1-37 | B | C | 2A |
| ZP2-10 | B | C | 1B |
| ZP2-15 | B | C | 1B |
| ZP2-16 | B | C | 1C |
| ZP2-17 | B | C | 1B |
| ZP2-24 | B | C | 1C |

## 4.25 JACK CIRCUIT BOARD

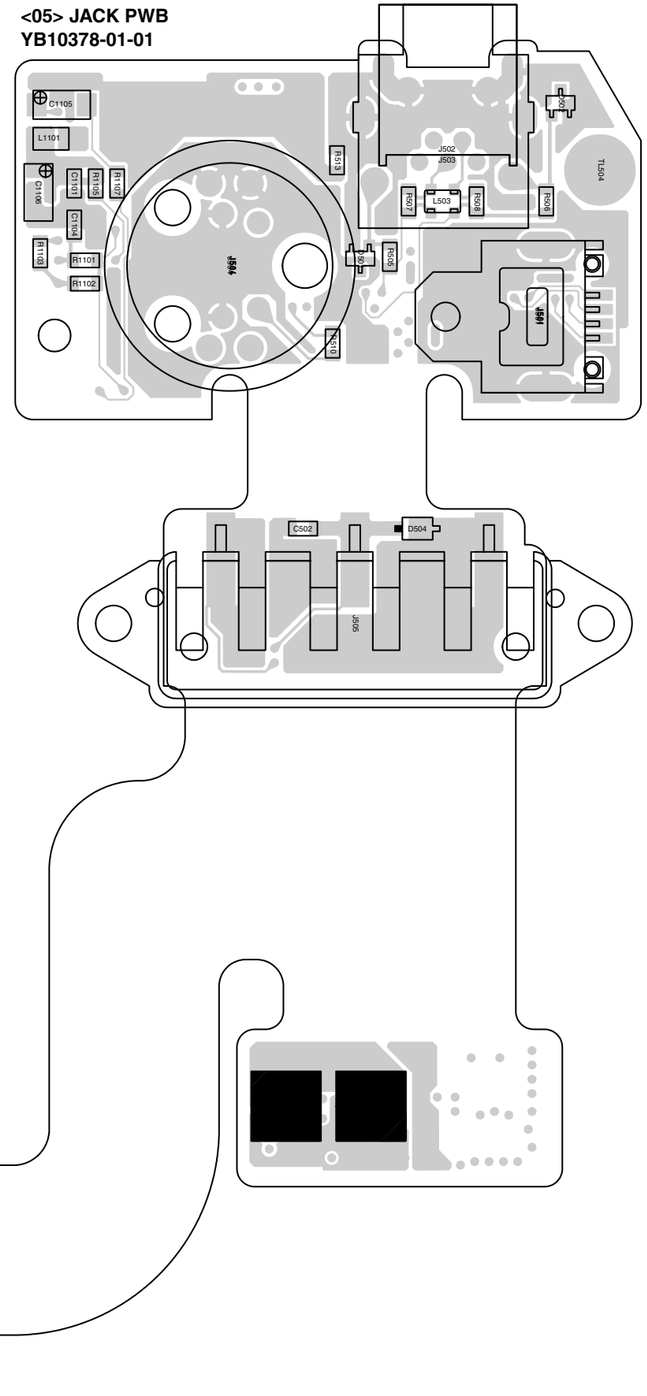
FOIL SIDE (B)

**<05> JACK PWB**
**YB10378-01-01**

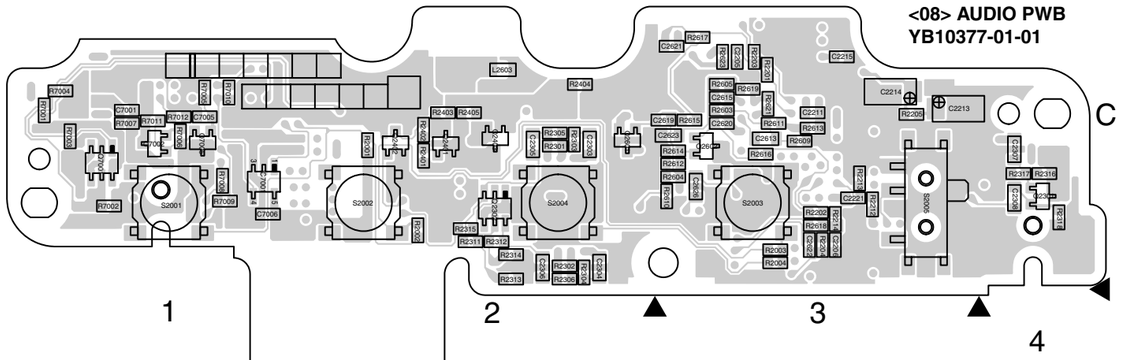


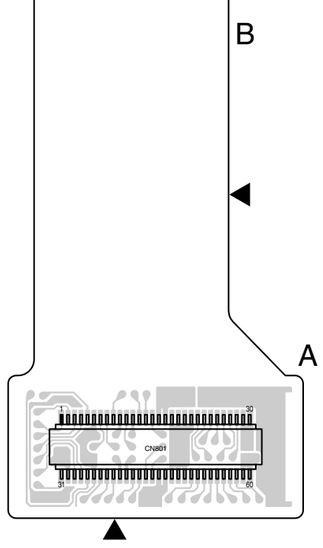

COMPONENT SIDE (A)

**<05> JACK PWB**
**YB10378-01-01**

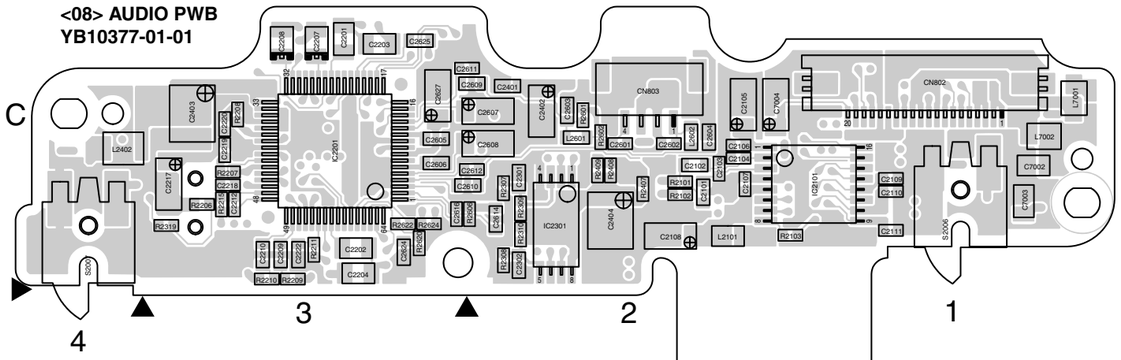


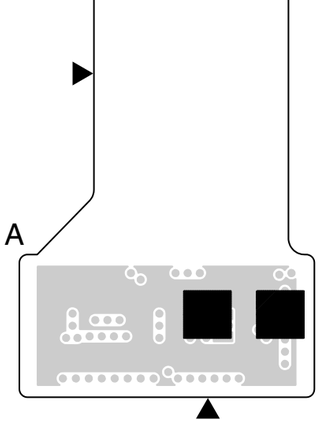
FOIL SIDE (B)




COMPONENT SIDE (A)



**COMPONENT LOCATION GUIDE <AUDIO/YB10377-01-01>**

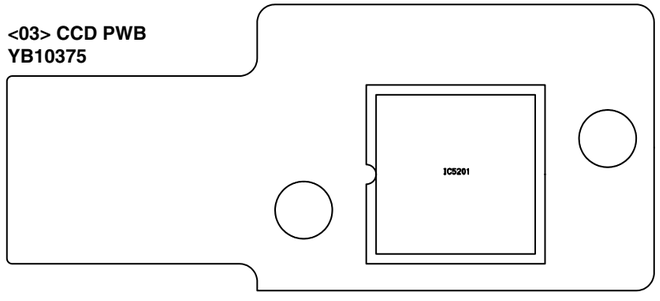
| REF.NO. | LOCATION |
|---|---|
| **CAPACITOR** | |
| C2101 | A C 2C |
| C2102 | A C 2C |
| C2103 | A C 2C |
| C2104 | A C 2C |
| C2105 | A C 2C |
| C2106 | A C 2C |
| C2107 | A C 2C |
| C2108 | A C 2C |
| C2109 | A C 1C |
| C2110 | A C 1C |
| C2111 | A C 1C |
| C2201 | A C 3C |
| C2202 | A C 3C |
| C2203 | A C 3C |
| C2204 | A C 3C |
| C2205 | B C 3C |
| C2206 | B C 3C |
| C2207 | A C 3C |
| C2208 | A C 3C |
| C2209 | A C 3C |
| C2210 | A C 3C |
| C2211 | B C 3C |
| C2212 | A C 3C |
| C2213 | B C 3C |
| C2214 | B C 3C |
| C2215 | B C 3C |
| C2217 | A C 3C |
| C2218 | A C 3C |
| C2219 | A C 3C |
| C2220 | A C 3C |
| C2221 | B C 3C |
| C2222 | A C 3C |
| C2301 | A C 2C |
| C2302 | A C 2C |
| C2303 | B C 2C |
| C2304 | B C 2C |
| C2305 | B C 2C |
| C2306 | B C 2C |
| C2307 | B C 4C |
| C2308 | B C 4C |
| C2401 | A C 2C |
| C2402 | A C 2C |
| C2403 | A C 3C |
| C2404 | A C 2C |
| C2601 | A C 2C |
| C2602 | A C 2C |
| C2603 | A C 2C |
| C2604 | A C 2C |
| C2605 | A C 3C |
| C2606 | A C 3C |
| C2607 | A C 2C |
| C2608 | A C 2C |
| C2609 | A C 2C |
| C2610 | A C 2C |
| C2611 | A C 2C |
| C2612 | A C 2C |
| C2613 | B C 3C |
| C2614 | A C 2C |
| C2615 | B C 3C |
| C2616 | A C 3C |
| C2619 | B C 3C |
| C2620 | B C 3C |
| C2621 | B C 3C |
| C2622 | B C 3C |
| C2623 | B C 3C |
| C2624 | A C 3C |
| C2625 | A C 3C |
| C2626 | B C 3C |
| C2627 | A C 3C |
| C7001 | B C 1C |
| C7002 | A C 1C |
| C7003 | A C 1C |
| C7004 | A C 2C |
| C7005 | B C 1C |
| C7006 | B C 1C |
| **CONNECTOR** | |
| CN801 | B C 2A |
| CN802 | A C 1C |
| CN803 | A C 2C |
| **IC** | |
| IC2101 | A C 1C |
| IC2201 | A C 3C |
| IC2301 | A C 2C |
| IC7001 | B C 1C |
| **COIL** | |
| L2101 | A C 2C |
| L2402 | A C 4C |
| L2601 | A C 2C |
| L2602 | A C 2C |
| L2603 | B C 2C |
| L7001 | A C 1C |
| L7002 | A C 1C |
| **TRANSISTOR** | |
| Q2301 | B C 4C |
| Q2302 | B C 2C |
| Q2401 | B C 2C |
| Q2402 | B C 2C |
| Q2403 | B C 2C |
| Q2601 | B C 2C |
| Q2602 | B C 3C |
| Q7001 | B C 1C |
| Q7002 | B C 1C |
| Q7005 | B C 1C |
| **RESISTOR** | |
| R2001 | B C 2C |
| R2002 | B C 2C |
| R2003 | B C 3C |
| R2004 | B C 3C |
| R2101 | A C 2C |
| R2102 | A C 2C |
| R2103 | A C 2C |
| R2201 | B C 3C |
| R2202 | B C 3C |
| R2203 | B C 3C |
| R2204 | B C 3C |
| R2205 | B C 3C |
| R2206 | A C 3C |
| R2207 | A C 3C |
| R2208 | A C 3C |
| R2209 | A C 3C |
| R2210 | A C 3C |
| R2211 | A C 3C |
| R2212 | B C 3C |
| R2213 | B C 3C |
| R2214 | B C 3C |
| R2215 | A C 3C |
| R2301 | B C 2C |
| R2302 | B C 2C |
| R2303 | B C 2C |
| R2304 | B C 2C |
| R2305 | B C 2C |
| R2306 | B C 2C |
| R2307 | A C 2C |
| R2308 | A C 2C |
| R2309 | A C 2C |
| R2310 | A C 2C |
| R2311 | B C 2C |
| R2312 | B C 2C |
| R2313 | B C 2C |
| R2314 | B C 2C |
| R2315 | B C 2C |
| R2316 | B C 4C |
| R2317 | B C 4C |
| R2318 | B C 4C |
| R2319 | A C 3C |
| R2401 | B C 2C |
| R2402 | B C 2C |
| R2403 | B C 2C |
| R2404 | B C 2C |
| R2405 | B C 2C |
| R2407 | A C 2C |
| R2408 | A C 2C |
| R2409 | A C 2C |
| R2601 | A C 2C |
| R2602 | A C 2C |
| R2603 | B C 3C |
| R2604 | B C 3C |
| R2605 | B C 3C |
| R2606 | A C 2C |
| R2609 | B C 3C |
| R2610 | B C 3C |
| R2611 | B C 3C |
| R2612 | B C 3C |
| R2613 | B C 3C |
| R2614 | B C 3C |
| R2615 | B C 3C |
| R2616 | B C 3C |
| R2617 | B C 3C |
| R2618 | B C 3C |
| R2619 | B C 3C |
| R2620 | A C 3C |
| R2621 | B C 3C |
| R2622 | A C 3C |
| R2623 | B C 3C |
| R2624 | A C 3C |
| R7001 | B C 1C |
| R7002 | B C 1C |
| R7003 | B C 1C |
| R7004 | B C 1C |
| R7005 | B C 1C |
| R7006 | B C 1C |
| R7007 | B C 1C |
| R7008 | B C 1C |
| R7009 | B C 1C |
| R7010 | B C 1C |
| R7011 | B C 1C |
| R7012 | B C 1C |
| **OTHER** | |
| S2001 | B C 1C |
| S2002 | B C 2C |
| S2003 | B C 3C |
| S2004 | B C 2C |
| S2005 | B C 3C |
| S2006 | A C 1C |
| S2007 | A C 4C |

## 4.27 CCD, VF, WB, MONI SW AND MENU CIRCUIT BOARDS

- CCD -

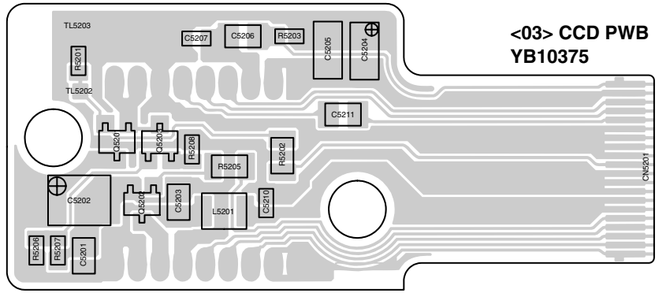
FOIL SIDE (B)

<03> CCD PWB
YB10375




COMPONENT SIDE (A)

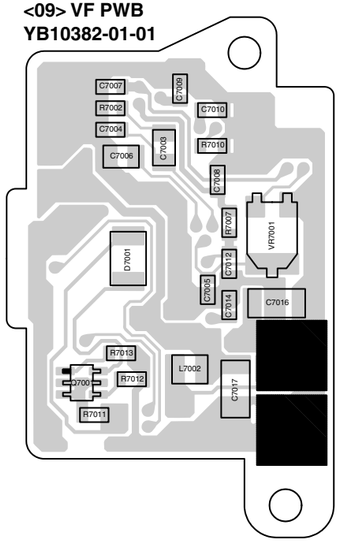
<03> CCD PWB
YB10375




- VF -

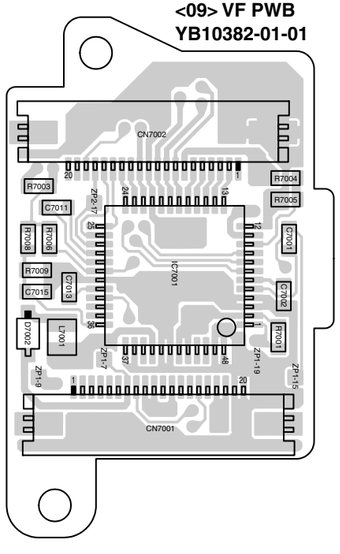
FOIL SIDE (B)

<09> VF PWB
YB10382-01-01




COMPONENT SIDE (A)

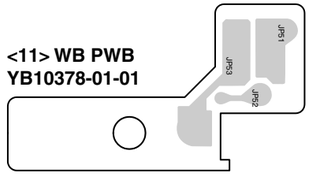
<09> VF PWB
YB10382-01-01




- WB -

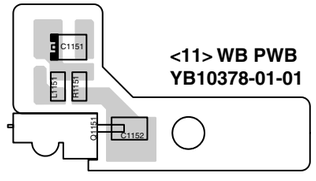
FOIL SIDE (B)

<11> WB PWB
YB10378-01-01




COMPONENT SIDE (A)

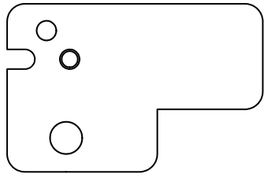
<11> WB PWB
YB10378-01-01




- MONI SW -

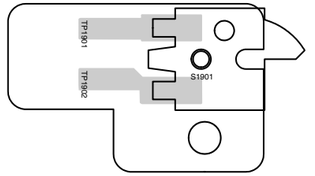
FOIL SIDE (B)

<12> MONI SW PWB
YB10378-01-01



COMPONENT SIDE (A)

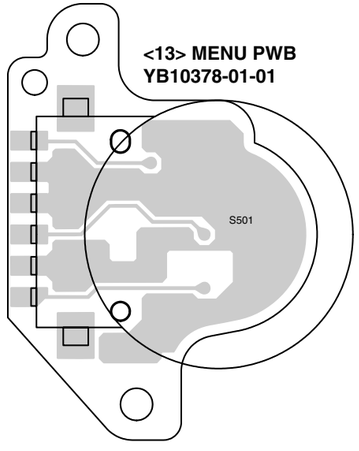
<12> MONI SW PWB
YB10378-01-01




- MENU -

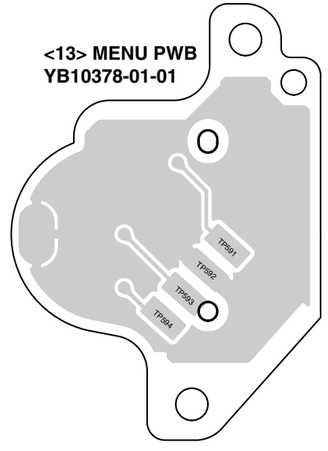
FOIL SIDE (B)

<13> MENU PWB
YB10378-01-01




COMPONENT SIDE (A)

<13> MENU PWB
YB10378-01-01

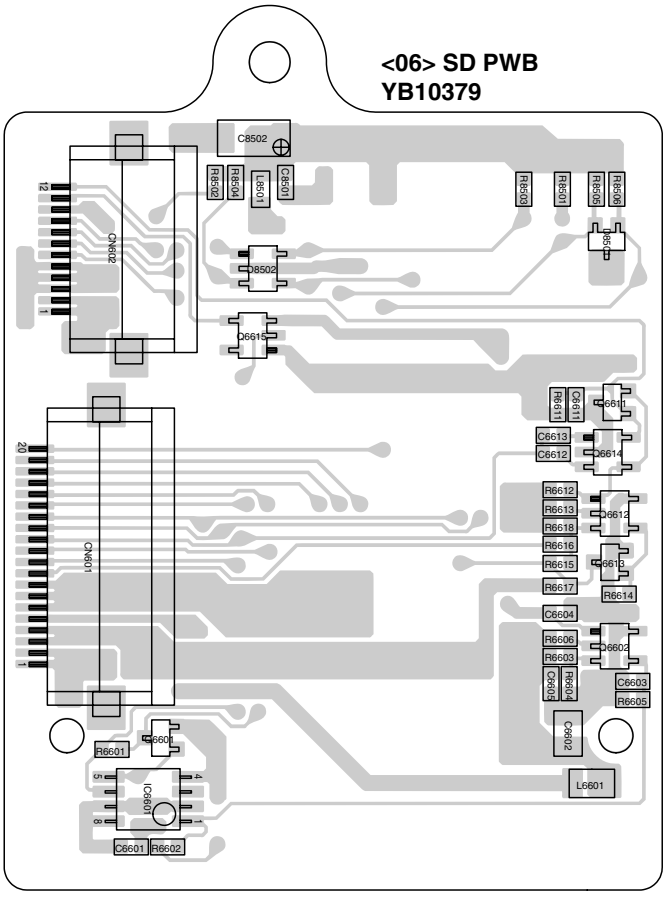


## 4.28 SD AND STROBE CIRCUIT BOARDS

- SD -

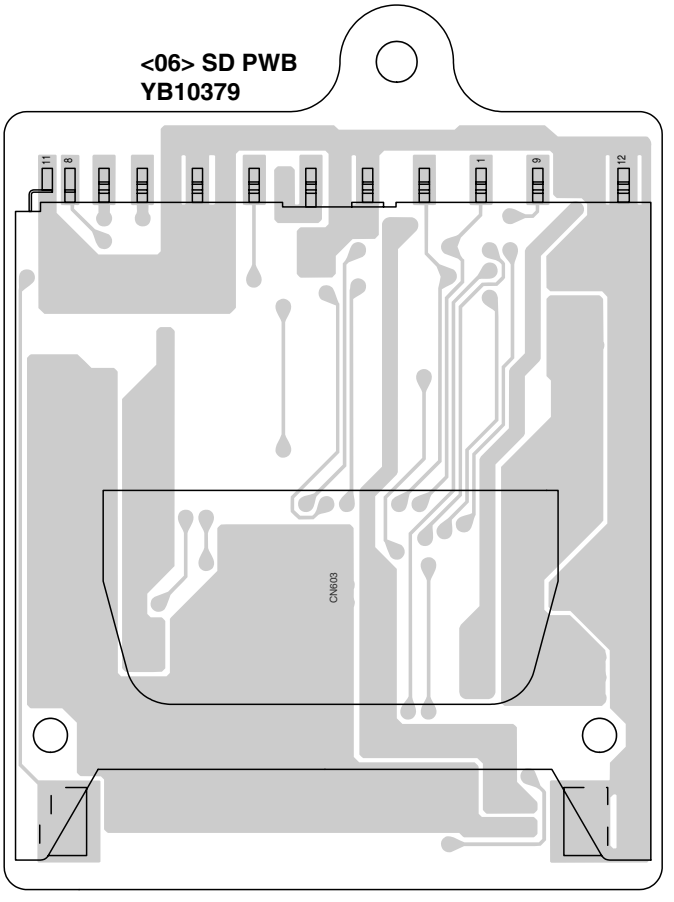
FOIL SIDE (B)

**<06> SD PWB**
**YB10379**




COMPONENT SIDE (A)

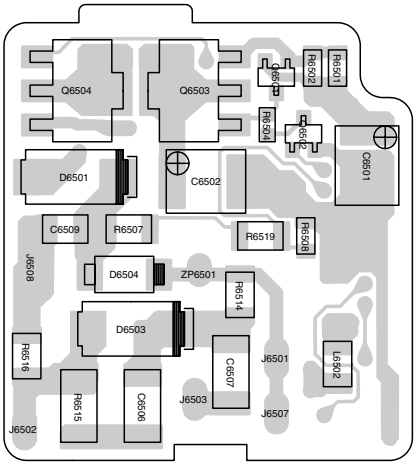
**<06> SD PWB**
**YB10379**




- STROBE -

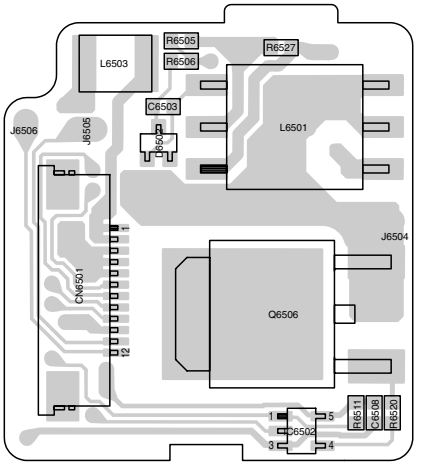
FOIL SIDE (B)

**<07> STROBE PWB**
**YB10380**




COMPONENT SIDE (A)

**<07> STROBE PWB**
**YB10380**



## 4.29 VOLTAGE CHARTS

**<SYSCON>**

| MODE PIN NO. | REC | PLAY |
|---|---|---|
| IC1001 | - | - |
| IC1002 | | |
| 1 | 0 | 0 |
| 2 | 3.0 | 3.1 |
| 3 | 0 | 0 |
| 4 | 0 | 0 |
| 5 | 3.1 | 3.1 |
| 6 | 0.5 | 0.5 |
| 7 | 0.4 | 0.4 |
| 8 | 3.0 | 3.0 |
| IC1003 | | |
| 1 | 3.0 | 3.1 |
| 2 | 0.7 | 0.7 |
| 3 | 3.1 | 3.1 |
| 4 | 0 | 0 |
| 5 | 0.7 | 0.6 |
| 6 | 3.0 | 3.1 |
| 7 | 3.1 | 3.1 |
| 8 | 3.1 | 3.1 |
| IC1004 | | |
| 1 | 1.4 | 1.4 |
| 2 | 0 | 0 |
| 3 | 1.3 | 1.3 |
| 4 | 0 | 0 |
| 5 | 3.1 | 3.1 |
| IC1005 | | |
| 1 | 0 | 0 |
| 2 | 3.0 | 3.0 |
| 3 | 0 | 0 |
| 4 | 3.1 | 3.0 |
| 5 | 3.1 | 3.0 |
| IC1006 | | |
| 1 | 2.8 | 2.8 |
| 2 | 0 | 0 |
| 3 | 0 | 0 |
| 4 | 3.1 | 3.1 |
| 5 | 3.1 | 3.1 |
| 6 | 3.1 | 3.1 |
| 7 | 1.4 | 1.4 |
| 8 | 1.5 | 1.5 |
| 9 | 0 | 0 |
| 10 | 0 | 0 |
| 11 | 0 | 0 |
| 12 | 0 | 0 |
| 13 | 0 | 0 |
| 14 | 0 | 0 |
| 15 | 0 | 0 |
| 16 | 0 | 0 |
| 17 | 0 | 0 |
| 18 | 0 | 0 |
| 19 | 3.0 | 3.0 |
| 20 | 2.9 | 2.9 |
| IC1007 | | |
| 1 | 3.0 | 3.0 |
| 2 | 3.0 | 3.0 |
| 3 | 3.0 | 3.1 |
| 4 | 3.0 | 3.1 |
| 5 | 3.0 | 3.0 |
| 6 | 0 | 3.1 |
| 7 | 0 | 0 |
| 8 | 3.0 | 3.1 |
| 9 | 3.0 | 3.1 |
| 10 | 3.1 | 3.1 |

| MODE PIN NO. | REC | PLAY |
|---|---|---|
| 11 | 0 | 0 |
| 12 | 0 | 0 |
| 13 | 3.1 | 3.1 |
| 14 | 3.1 | 3.1 |
| IC1008 | | |
| 1 | 3.1 | 3.1 |
| 2 | 3.1 | 3.0 |
| 3 | 0 | 0 |
| 4 | 0 | 0 |
| Q1001 | | |
| E | 0 | 0 |
| C | 0 | 0 |
| B | 0 | 0 |
| Q1002 | | |
| E | 0 | 0 |
| C | 3.1 | 3.1 |
| B | 0.6 | 0.6 |
| Q1003 | | |
| E | 0 | 0 |
| C | 0.4 | 0.6 |
| B | 0 | 0 |
| Q1004 | - | - |
| Q1005 | | |
| D | 3.1 | 3.1 |
| S | 0 | 0 |
| G | 3.1 | 3.1 |
| Q1006 | | |
| 1(E) | 0 | 0 |
| 2(B) | 0 | 0 |
| 3(E) | 3.1 | 3.1 |
| 4(C) | 3.1 | 0 |
| 5(C) | 0 | 3.1 |
| Q1007 | | |
| 1(E) | 0 | 0 |
| 2(B) | 0 | 0 |
| 3(E) | 3.1 | 3.1 |
| 4(C) | 0 | 0 |
| 5(C) | 3.1 | 3.1 |

**<PC IF>**

| MODE PIN NO. | REC | PLAY |
|---|---|---|
| IC1301 | - | - |
| IC1302 | | |
| 1 | - | - |
| 2 | - | - |
| 3 | - | - |
| 4 | - | - |
| 5 | - | - |
| 6 | - | - |
| 7 | - | - |
| 8 | - | - |
| 9 | 3.1 | 3.1 |
| 10 | 0 | 0 |
| 11 | 3.1 | 3.1 |
| 12 | 0 | 0 |
| 13 | 0 | 0 |
| 14 | 0 | 0 |
| 15 | 3.1 | 3.1 |
| 16 | 3.0 | 3.1 |
| IC1303 | - | - |
| Q1301 | - | - |

**<D.CPU>**

| MODE PIN NO. | REC | PLAY |
|---|---|---|
| IC1401 | - | - |
| Q1401 | | |
| E | 3.1 | 3.1 |
| C | 3.1 | 3.1 |
| B | 3.1 | 3.1 |
| Q1402 | | |
| 1(E) | 0 | 0 |
| 2(B) | 3.1 | 3.1 |
| 3(E) | 3.1 | 3.1 |
| 4(C) | 2.8 | 2.8 |
| 5(C) | 0 | 0 |
| Q1403 | | |
| 1(E) | 0 | 0 |
| 2(B) | 0 | 0 |
| 3(E) | 3.1 | 3.1 |
| 4(C) | 0 | -0.5 |
| 5(C) | 3.1 | 3.1 |

**<MP3 AD/DA>**

| MODE PIN NO. | REC | PLAY |
|---|---|---|
| IC2151 | - | - |

**<AUDIO MUTE>**

| MODE PIN NO. | REC | PLAY |
|---|---|---|
| Q2701 | | |
| 1(E) | - | - |
| 2(B) | - | - |
| 3(C) | - | - |
| 4(E) | 0 | 0 |
| 5(B) | 0 | 0 |
| 6(C) | 0 | 0 |
| Q2751 | - | - |
| Q2752 | - | - |

**<DVMAIN>**

| MODE PIN NO. | REC | PLAY |
|---|---|---|
| IC3001 | - | - |
| IC3002 | - | - |
| IC3004 | | |
| 1 | 1.5 | 1.5 |
| 2 | 1.5 | 1.5 |
| 3 | 0 | 0 |
| 4 | 1.1 | 0 |
| 5 | 3.1 | 3.1 |
| IC3007 | | |
| 1 | 0 | 0.4 |
| 2 | 0 | 0.5 |
| 3 | 0 | 0 |
| 4 | 2.0 | 2.0 |
| 5 | 1.1 | 1.3 |
| 6 | 1.1 | 1.5 |
| 7 | 3.1 | 3.1 |
| 8 | 1.1 | 1.6 |

**<PRE/REC>**

| MODE PIN NO. | REC | PLAY |
|---|---|---|
| IC3501 | | |
| 1 | 0 | 0 |
| 2 | 0.5 | 0.5 |
| 3 | 0 | 0 |
| 4 | 0 | 1.5 |
| 5 | 2.5 | 2.5 |
| 6 | 2.4 | 0 |
| 7 | 1.5 | 0 |
| 8 | 0 | 0 |
| 9 | 1.1 | 3.1 |
| 10 | 1.9 | 1.8 |
| 11 | 3.0 | 3.1 |
| 12 | 0 | 0 |
| 13 | 4.8 | 4.8 |
| 14 | 0 | 0 |
| 15 | 0 | 0 |
| 16 | 0 | 0 |
| 17 | 0 | 0 |
| 18 | 3.6 | 1.7 |
| 19 | 3.3 | 1.7 |
| 20 | 3.3 | 1.7 |
| 21 | 3.6 | 1.7 |
| 22 | 0 | 0 |
| 23 | 3.6 | 1.7 |
| 24 | 3.3 | 1.7 |
| 25 | 3.3 | 1.7 |
| 26 | 3.6 | 1.7 |
| 27 | 0 | 0 |
| 28 | 1.6 | 1.5 |
| 29 | 3.2 | 1.8 |
| 30 | 3.2 | 1.8 |
| 31 | 1.6 | 1.5 |
| 32 | 0 | 0 |
| 33 | 0 | 0 |
| 34 | 0 | 0 |
| 35 | 1.8 | 1.8 |
| 36 | 0.4 | 0.4 |
| 37 | 3.1 | 3.1 |
| 38 | 0 | 3.1 |
| 39 | 3.1 | 3.1 |
| 40 | 1.5 | 1.5 |
| 41 | 0 | 3.1 |
| 42 | 3.1 | 0 |
| 43 | 4.8 | 4.8 |
| 44 | 3.1 | 0 |
| 45 | 0 | 0 |
| 46 | 0 | 2.0 |
| 47 | 0 | 1.9 |
| 48 | 4.3 | 3.1 |
| 49 | 4.3 | 2.8 |
| 50 | 0.6 | 1.6 |
| 51 | 1.3 | 1.3 |
| 52 | 0.9 | 1.7 |
| 53 | 0 | 0 |
| 54 | 3.2 | 2.6 |
| 55 | 2.5 | 1.9 |
| 56 | 1.1 | 1.1 |
| 57 | 2.5 | 1.9 |
| 58 | 2.5 | 1.3 |
| 59 | 0 | 0 |
| 60 | 1.2 | 1.2 |
| 61 | 3.0 | 1.9 |
| 62 | 2.5 | 1.9 |

| MODE PIN NO. | REC | PLAY |
|---|---|---|
| 63 | 2.5 | 1.4 |
| 64 | 2.5 | 1.9 |
| IC3502 | | |
| 1 | 0.6 | 0 |
| 2 | 0.6 | 0 |
| 3 | 0 | 0 |
| 4 | 0 | 3.1 |
| 5 | 3.1 | 3.1 |

**<V OUT>**

| MODE PIN NO. | REC | PLAY |
|---|---|---|
| IC3701 | | |
| 1 | 0 | 0 |
| 2 | 2.3 | 2.3 |
| 3 | 0 | 0 |
| 4 | 0 | 0 |
| 5 | 0 | 0 |
| 6 | 0 | 0 |
| 7 | 1.7 | 1.7 |
| 8 | 0 | 0 |
| 9 | 2.0 | 2.0 |
| 10 | 0 | 0 |
| 11 | 2.2 | 2.2 |
| 12 | 2.5 | 2.2 |
| 13 | 4.8 | 2.5 |
| 14 | 1.8 | 4.8 |
| 15 | 1.8 | 1.8 |
| 16 | 4.8 | 4.8 |
| IC3801 | - | - |
| Q3701 | - | - |
| Q3702 | - | - |
| Q3703 | - | - |
| Q3704 | - | - |
| Q3705 | - | - |

**<CDS>**

| MODE PIN NO. | REC | PLAY |
|---|---|---|
| IC4201 | - | - |
| IC4202 | - | - |

**<CAMERA DSP>**

| MODE PIN NO. | REC | PLAY |
|---|---|---|
| IC4301 | - | - |
| IC4302 | - | - |
| IC4303 | - | - |

<OP DRV>

| MODE PIN NO. | REC | PLAY |
|---|---|---|
| IC4802 | | |
| 1 | 3.0 | 3.0 |
| 2 | 2.6 | 2.7 |
| 3 | 2.6 | 2.7 |
| 4 | 0 | 0 |
| 5 | 2.6 | 2.6 |
| 6 | 2.6 | 2.6 |
| 7 | 2.6 | 2.6 |
| 8 | 4.8 | 4.8 |
| IC4803 | | |
| 1 | 1.0 | 1.0 |
| 2 | 0 | 0 |
| 3 | 0 | 0 |
| 4 | 0 | 0 |
| 5 | 2.7 | 2.7 |
| 6 | 2.6 | 2.7 |
| 7 | 0 | 3.0 |
| 8 | 4.8 | 4.8 |
| IC4804 | | |
| 1 | 1.5 | 0 |
| 2 | 2.0 | 2.7 |
| 3 | 2.0 | 0 |
| 4 | 0 | 0 |
| 5 | 1.6 | 3.0 |
| 6 | 1.6 | 3.0 |
| 7 | 1.8 | 0 |
| 8 | 4.8 | 4.8 |
| IC4851 | | |
| 1 | 0 | 0 |
| 2 | 0.6 | 0.6 |
| 3 | 0.4 | 0.4 |
| 4 | 0 | 0 |
| 5 | 0 | 0.4 |
| 6 | 0 | 0 |
| 7 | 0 | 0 |
| 8 | 3.1 | 3.1 |
| 9 | 4.8 | 4.8 |
| 10 | 0.6 | 0.6 |
| 11 | 0 | 0 |
| 12 | 0.6 | 0.6 |
| 13 | 4.8 | 4.8 |
| 14 | 0.6 | 0.7 |
| 15 | 0 | 0 |
| 16 | 0.5 | 0.6 |
| 17 | 0 | 0 |
| 18 | 0 | 0 |
| 19 | 0 | 0 |
| 20 | 3.1 | 0 |
| 21 | 1.5 | 0 |
| 22 | 1.5 | 0 |
| 23 | 4.8 | 4.8 |
| 24 | 0 | 0.6 |
| 25 | 0 | 0.7 |
| 26 | 0 | 4.8 |
| 27 | 4.8 | 4.8 |
| 28 | 0.6 | 0.6 |
| 29 | 0 | 0 |
| 30 | 0.6 | 0.6 |
| 31 | 4.8 | 3.1 |
| 32 | 0.6 | 0 |
| 33 | 0 | 0 |
| 34 | 0.6 | 1.8 |
| 35 | 4.8 | 3.1 |

| MODE PIN NO. | REC | PLAY |
|---|---|---|
| 36 | 0 | 1.5 |
| 37 | 0 | 1.5 |
| 38 | 0 | 3.1 |
| Q4801 | | |
| E | 0.4 | 0.4 |
| C | 2.3 | 2.3 |
| B | 1.0 | 1.0 |
| Q4802 | - | - |
| Q4803 | - | - |
| Q4804 | - | - |
| Q4805 | - | - |
| Q4806 | | |
| E | 1.1 | 0 |
| C | 4.8 | 4.8 |
| B | 1.7 | 0 |
| Q4851 | | |
| E | 0 | 0 |
| C | 3.1 | 3.6 |
| B | 0 | 0 |

<TG>

| MODE PIN NO. | REC | PLAY |
|---|---|---|
| IC5001 | - | - |
| IC5002 | - | - |
| IC5003 | - | - |

<REG>

| MODE PIN NO. | REC | PLAY |
|---|---|---|
| IC6001 | | |
| 1 | 8.0 | 8.0 |
| 2 | 10.5 | 10.5 |
| 3 | 0 | 0 |
| 4 | 0 | 0 |
| IC6002 | | |
| 1 | 0 | 0 |
| 2 | 11.1 | 11.1 |
| 3 | 3.3 | 3.3 |
| 4 | 0 | 0 |
| IC6101 | | |
| 1 | 3.1 | 3.1 |
| 2 | 3.1 | 3.1 |
| 3 | 3.0 | 3.0 |
| 4 | 0 | 0 |
| 5 | 3.1 | 3.1 |
| 6 | 0 | 0 |
| 7 | 1.3 | 1.2 |
| 8 | 11.1 | 11.1 |
| 9 | 1.0 | 1.0 |
| 10 | 1.2 | 1.2 |
| 11 | 2.2 | 2.2 |
| 12 | 0 | 0 |
| 13 | 0 | 0 |
| 14 | 0 | 0 |
| 15 | 0 | 0 |
| 16 | 0 | 0 |

| MODE PIN NO. | REC | PLAY |
|---|---|---|
| 17 | 0 | 0 |
| 18 | 0 | 0 |
| 19 | 0 | 2.2 |
| 20 | 0.9 | 0.9 |
| 21 | 0 | 0 |
| 22 | 2.2 | 2.2 |
| 23 | 1.0 | 1.0 |
| 24 | 0.7 | 0.7 |
| 25 | 1.0 | 1.0 |
| 26 | 0.6 | 0.6 |
| 27 | 1.0 | 1.0 |
| 28 | 0.8 | 0.8 |
| 29 | 1.0 | 1.0 |
| 30 | 0.6 | 0.7 |
| 31 | 0 | 0 |
| 32 | 0 | 0 |
| 33 | 0.6 | 0.6 |
| 34 | 0 | 0 |
| 35 | 0 | 0 |
| 36 | 0.5 | 0.5 |
| 37 | 0.8 | 0.8 |
| 38 | 0 | 0 |
| 39 | 1.0 | 1.0 |
| 40 | 0 | 0 |
| 41 | 2.4 | 2.4 |
| 42 | 0 | 1.1 |
| 43 | 0 | 0 |
| 44 | 2.2 | 2.2 |
| 45 | 2.2 | 2.2 |
| 46 | 0 | 2.2 |
| 47 | 0 | 8.0 |
| 48 | 1.0 | 1.0 |
| 49 | 1.1 | 1.1 |
| 50 | 2.3 | 2.1 |
| 51 | 11.1 | 11.1 |
| 52 | 0 | 0 |
| 53 | 10.0 | 10.1 |
| 54 | 9.2 | 9.2 |
| 55 | 7.7 | 7.7 |
| 56 | 6.1 | 6.1 |
| 57 | 9.1 | 9.1 |
| 58 | 7.8 | 7.8 |
| 59 | 0 | 0 |
| 60 | 11.1 | 11.1 |
| 61 | 0 | 0 |
| 62 | 10.4 | 10.4 |
| 63 | 1.2 | 1.2 |
| 64 | 1.0 | 1.0 |
| Q6001 | | |
| E | 0 | 0 |
| C | 0 | 0 |
| B | 3.1 | 3.1 |
| Q6002 | | |
| 1(S1) | 0 | 0 |
| 2(G1) | 0 | 0 |
| 3(D2) | 0 | 0 |
| 4(S2) | 4.0 | 4.0 |
| 5(G2) | 3.1 | 3.1 |
| 6(D1) | 10.4 | 10.4 |
| Q6004 | | |
| E | 11.1 | 11.1 |
| C | 3.1 | 3.1 |
| B | 10.5 | 10.5 |

| MODE PIN NO. | REC | PLAY |
|---|---|---|
| Q6201 | | |
| D | 11.1 | 11.1 |
| S | 7.8 | 7.8 |
| G | 3.1 | 3.1 |
| Q6202 | | |
| E | 3.1 | 3.1 |
| C | 2.5 | 2.5 |
| B | 2.5 | 2.4 |
| Q6203 | | |
| 1(G) | 9.1 | 9.1 |
| 2(S) | 11.1 | 11.1 |
| 3(A) | 0 | 0 |
| 4(C) | 1.8 | 1.8 |
| 5(D) | 1.8 | 1.8 |
| Q6204 | | |
| D | 11.1 | 11.1 |
| S | 6.0 | 6.1 |
| G | 4.9 | 4.9 |
| Q6205 | | |
| E | 4.8 | 4.8 |
| C | 0 | 0 |
| B | 4.8 | 4.8 |
| Q6206 | | |
| E | 0 | 0 |
| C | 4.8 | 4.8 |
| B | 0 | 0 |
| Q6208 | - | - |
| Q6210 | - | - |
| Q6211 | | |
| D | 11.1 | 11.1 |
| S | 7.7 | 7.7 |
| G | 0 | 0 |
| Q6212 | - | - |
| Q6213 | - | - |
| Q6214 | - | - |
| Q6215 | - | - |
| Q6216 | - | - |
| Q6701 | | |
| D | 11.1 | 11.1 |
| S | 7.8 | 11.1 |
| G | 3.1 | 0 |

<DSC>

| MODE PIN NO. | REC | PLAY |
|---|---|---|
| IC8001 | - | - |
| IC8002 | - | - |
| IC8003 | - | - |
| IC8004 | - | - |
| IC8006 | - | - |
| Q8002 | - | - |

<USB>

| MODE PIN NO. | REC | PLAY |
|---|---|---|
| IC8301 | - | - |

<IR/TALLY>

| MODE PIN NO. | REC | PLAY |
|---|---|---|
| IC1801 | | |
| 1 | 4.6 | 4.6 |
| 2 | 0 | 0 |
| 3 | 4.8 | 4.8 |

<MDA>

| MODE PIN NO. | REC | PLAY |
|---|---|---|
| IC1601 | | |
| 1 | 0 | 0 |
| 2 | 0.9 | 0.9 |
| 3 | 0.9 | 0.9 |
| 4 | 0 | 0.9 |
| 5 | 0 | 0 |
| 6 | 0 | 0 |
| 7 | 0 | 0 |
| 8 | 0 | 0 |
| 9 | 0 | 0 |
| 10 | 0 | 0 |
| 11 | 0 | 0 |
| 12 | 4.8 | 4.8 |
| 13 | 0.4 | 0.5 |
| 14 | 0.4 | 0.4 |
| 15 | 0.4 | 0.4 |
| 16 | 0 | 0 |
| 17 | 0.8 | 0.9 |
| 18 | 11.1 | 0 |
| 19 | 1.5 | 1.5 |
| 20 | 1.6 | 1.6 |
| 21 | 1.6 | 1.5 |
| 22 | 1.6 | 1.5 |
| 23 | 1.6 | 1.6 |
| 24 | 1.6 | 0 |
| 25 | 1.6 | 1.6 |
| 26 | 1.6 | 0 |
| 27 | - | - |
| 28 | 1.5 | 1.5 |
| 29 | 3.1 | 3.1 |
| 30 | 0 | 0 |
| 31 | 0.7 | 0.7 |
| 32 | 0.7 | 0.7 |
| 33 | 1.6 | 1.6 |
| 34 | 3.1 | 3.1 |
| 35 | 0 | 0 |
| 36 | 0 | 0 |
| 37 | 0 | 0 |
| 38 | 0 | 0 |
| 39 | 0 | 0 |
| 40 | 1.6 | 1.6 |
| 41 | 0.7 | 0.7 |
| 42 | 0.7 | 0.7 |
| 43 | 1.0 | 1.0 |
| 44 | 0.7 | 0.7 |
| 45 | 0 | 0 |
| 46 | 0 | 0 |
| 47 | 2.8 | 2.8 |
| 48 | 1.2 | 1.2 |
| 49 | 1.6 | 1.6 |
| 50 | 1.6 | 1.5 |
| 51 | - | - |
| 52 | 1.5 | 1.5 |
| 53 | 1.6 | 1.5 |

| MODE PIN NO. | REC | PLAY |
|---|---|---|
| 54 | 0.5 | 0.5 |
| 55 | 0 | 0 |
| 56 | 0.9 | 0.9 |
| 57 | 0.9 | 0.9 |
| 58 | 0.9 | 0.9 |
| 59 | 0.9 | 0.9 |
| 60 | 1.2 | 1.2 |
| 61 | 0.4 | 0.4 |
| 62 | 0 | 0 |
| 63 | 11.8 | 11.1 |
| 64 | 1.8 | 1.8 |
| IC1602 | | |
| 1 | - | - |
| 2 | 3.1 | 3.1 |
| 3 | - | - |
| 4 | 0 | 0 |
| 5 | - | - |
| 6 | 0 | 0 |
| 7 | 0 | - |
| 8 | 3.1 | 3.1 |
| Q1601 | | |
| 1(E) | 0 | 0 |
| 2(B) | 0 | 0 |
| 3(E) | 4.8 | 4.8 |
| 4(C) | 0 | 0 |
| 5(C) | 4.8 | 4.8 |

<JACK>

| MODE PIN NO. | REC | PLAY |
|---|---|---|
| IC1101 | | |
| 1 | 2.4 | 2.4 |
| 2 | 2.4 | 2.4 |
| 3 | 2.4 | 2.4 |
| 4 | 0 | 0 |
| 5 | 2.4 | 2.4 |
| 6 | 2.4 | 2.4 |
| 7 | 1.6 | 1.6 |
| 8 | 4.8 | 4.8 |
| Q1151 | | |
| E | 0 | 0 |
| C | 4.3 | 4.3 |
| B | - | - |

<SD>

| MODE PIN NO. | REC | PLAY |
|---|---|---|
| IC6601 | - | - |
| Q6601 | - | - |
| Q6602 | - | - |
| Q6611 | - | - |
| Q6612 | - | - |
| Q6613 | - | - |
| Q6614 | - | - |
| Q6615 | - | - |

<STROBE>

| MODE PIN NO. | REC | PLAY |
|---|---|---|
| IC6502 | - | - |
| Q6501 | - | - |
| Q6502 | - | - |
| Q6503 | - | - |
| Q6504 | - | - |
| Q6506 | - | - |

<MAIN AUDIO>

| MODE PIN NO. | REC | PLAY |
|---|---|---|
| IC2101 | | |
| 1 | 1.4 | 1.4 |
| 2 | 1.4 | 0 |
| 3 | 1.4 | 0 |
| 4 | 0 | 0 |
| 5 | 3.1 | 3.1 |
| 6 | 3.1 | 3.1 |
| 7 | 0 | 0 |
| 8 | 1.6 | 0 |
| 9 | 1.4 | 1.4 |
| 10 | 1.4 | 1.6 |
| 11 | 1.5 | 1.4 |
| 12 | 1.5 | 1.5 |
| 13 | 3.1 | 0 |
| 14 | 0 | 3.1 |
| 15 | 1.6 | 1.4 |
| 16 | 1.0 | 1.4 |
| IC2201 | | |
| 1 | 1.5 | 0.5 |
| 2 | 1.5 | 0.5 |
| 3 | 1.5 | 0.5 |
| 4 | 1.5 | 1.6 |
| 5 | 1.5 | 1.1 |
| 6 | 0 | 1.6 |
| 7 | 0 | 0 |
| 8 | 2.2 | 2.4 |
| 9 | 2.2 | 2.4 |
| 10 | 0 | 0 |
| 11 | 1.5 | 1.6 |
| 12 | 1.5 | 1.2 |
| 13 | 1.5 | 1.6 |
| 14 | 1.5 | 0.5 |
| 15 | 1.5 | 0.5 |
| 16 | 1.5 | 0.5 |
| 17 | 1.5 | 1.6 |
| 18 | 1.5 | 1.6 |
| 19 | 1.5 | 1.1 |
| 20 | 1.5 | 0.9 |
| 21 | 1.5 | 1.6 |
| 22 | 2.8 | 3.0 |
| 23 | 1.5 | 1.7 |
| 24 | 1.5 | 1.7 |
| 25 | 2.6 | 2.2 |
| 26 | 0.9 | 0.4 |
| 27 | 2.2 | 2.2 |
| 28 | 2.7 | 1.7 |
| 29 | 2.4 | 2.4 |
| 30 | 2.2 | 2.2 |
| 31 | 2.2 | 2.4 |
| 32 | 2.2 | 2.2 |
| 33 | 4.8 | 4.8 |
| 34 | 4.7 | 4.8 |

| MODE PIN NO. | REC | PLAY |
|---|---|---|
| 35 | 0.6 | 0.6 |
| 36 | 2.4 | 2.4 |
| 37 | 4.7 | 4.7 |
| 38 | 2.2 | 2.2 |
| 39 | 0 | 1.8 |
| 40 | 0 | 0 |
| 41 | 3.1 | 3.1 |
| 42 | 0 | 2.4 |
| 43 | 2.2 | 2.2 |
| 44 | 3.0 | 3.0 |
| 45 | 1.5 | 0 |
| 46 | 0 | 0 |
| 47 | 0 | 2.4 |
| 48 | 0 | 0 |
| 49 | 1.5 | 0 |
| 50 | 1.5 | 1.6 |
| 51 | 1.5 | 1.6 |
| 52 | 1.7 | 0 |
| 53 | 1.7 | 0 |
| 54 | 3.1 | 3.1 |
| 55 | 0 | 0 |
| 56 | 2.6 | 2.2 |
| 57 | 1.5 | 1.6 |
| 58 | 1.5 | 1.6 |
| 59 | 2.8 | 3.0 |
| 60 | 1.5 | 1.6 |
| 61 | 1.5 | 1.1 |
| 62 | 1.5 | 0.9 |
| 63 | 1.5 | 1.7 |
| 64 | 1.5 | 1.7 |
| IC2301 | - | - |
| Q2301 | - | - |
| Q2302 | - | - |
| Q2401 | | |
| E | 4.8 | 4.8 |
| C | 4.8 | 4.8 |
| B | 4.1 | 4.1 |
| Q2402 | | |
| E | 0 | 0 |
| C | 0 | 0 |
| B | 3.1 | 3.1 |
| Q2403 | | |
| E | 2.8 | 3.0 |
| C | 4.8 | 4.8 |
| B | 3.5 | 3.7 |
| Q2601 | | |
| E | 0.9 | 1.0 |
| C | 2.8 | 3.0 |
| B | 1.5 | 1.6 |
| Q2602 | | |
| E | 0.9 | 1.0 |
| C | 2.8 | 3.0 |
| B | 1.5 | 1.6 |

<VF MAIN>

| MODE PIN NO. | REC | PLAY |
|---|---|---|
| IC7001 | | |
| 1 | 0 | 0 |
| 2 | 4.8 | 4.8 |
| 3 | 0 | 0 |
| 4 | 3.1 | 3.1 |
| 5 | 3.1 | 3.1 |
| Q7002 | | |
| E | 1.1 | 1.1 |
| C | 4.8 | 4.8 |
| B | 1.7 | 1.7 |
| Q7003 | | |
| E | 1.7 | 1.7 |
| C | 0 | 0 |
| B | 1.1 | 1.1 |

<W/B>

| MODE PIN NO. | REC | PLAY |
|---|---|---|
| Q1151 | | |
| E | 0 | 0 |
| C | 4.3 | 4.3 |
| B | - | - |

<CCD>

| MODE PIN NO. | EE |
|---|---|
| IC5201 | - |
| Q5201 | - |
| Q5202 | - |
| Q5203 | - |

<MONITOR>

| MODE PIN NO. | EE |
|---|---|
| IC7601 | |
| 1 | 2.5 |
| 2 | 7.3 |
| 3 | 2.4 |
| 4 | 2.4 |
| 5 | 2.4 |
| 6 | 2.4 |
| 7 | 2.4 |
| 8 | 2.4 |
| 9 | 2.4 |
| 10 | 12.0 |
| 11 | 0 |
| 12 | 6.0 |
| 13 | 6.1 |
| 14 | 6.1 |
| 15 | 6.1 |
| 16 | 6.1 |
| 17 | 6.1 |
| 18 | 6.1 |
| 19 | 6.1 |
| 20 | 1.5 |
| 21 | 1.6 |
| 22 | 1.5 |
| 23 | 1.3 |
| 24 | 2.8 |
| 25 | 0 |
| 26 | 0 |
| 27 | 0.9 |
| 28 | 1.3 |
| 29 | 3.1 |
| 30 | 0 |
| 31 | 0 |
| 32 | 0.4 |
| 33 | 1.4 |
| 34 | 1.6 |
| 35 | 3.1 |
| 36 | 0 |
| 37 | 0 |
| 38 | 0 |
| 39 | 3.0 |
| 40 | 0.8 |
| 41 | 1.6 |
| 42 | 3.1 |
| 43 | 3.1 |
| 44 | 0 |
| 45 | 3.0 |
| 46 | 2.9 |
| 47 | 2.5 |
| 48 | 2.5 |
| IC7602 | |
| 1 | 11.6 |
| 2 | 1.8 |
| 3 | 2.1 |
| 4 | 0 |
| 5 | 4.8 |

| MODE PIN NO. | EE |
|---|---|
| 6 | 4.8 |
| 7 | 7.3 |
| 8 | 12.0 |
| IC7603 | |
| 1 | 3.1 |
| 2 | 0.7 |
| 3 | 3.1 |
| 4 | 0 |
| 5 | 0.6 |
| 6 | 3.1 |
| 7 | 3.1 |
| 8 | 3.1 |
| IC7604 | |
| 1 | 0 |
| 2 | 3.1 |
| 3 | 0 |
| 4 | 0 |
| 5 | 3.1 |
| 6 | 0 |
| 7 | 0 |
| 8 | 0 |
| 9 | 0 |
| 10 | 0 |
| 11 | 0 |
| 12 | 0 |
| 13 | 0 |
| 14 | 3.1 |
| Q7501 | |
| E | 0 |
| C | 4.6 |
| B | -0.5 |
| Q7502 | |
| E | 0 |
| C | 4.6 |
| B | -0.5 |
| Q7503 | |
| E | 4.7 |
| C | 4.6 |
| B | 0 |
| Q7504 | |
| E | 0 |
| C | 0 |
| B | 0.7 |
| Q7601 | |
| E | 0 |
| C | 0 |
| B | -10.2 |
| Q7602 | |
| E | -9.6 |
| C | -15.4 |
| B | -10.2 |
| Q7603 | |
| E | -10.1 |
| C | 0 |
| B | -9.7 |
| Q7604 | |
| E | -10.2 |
| C | -15 |
| B | -10.7 |
| Q7608 | |
| E | 0 |
| C | 0 |
| B | 3.1 |

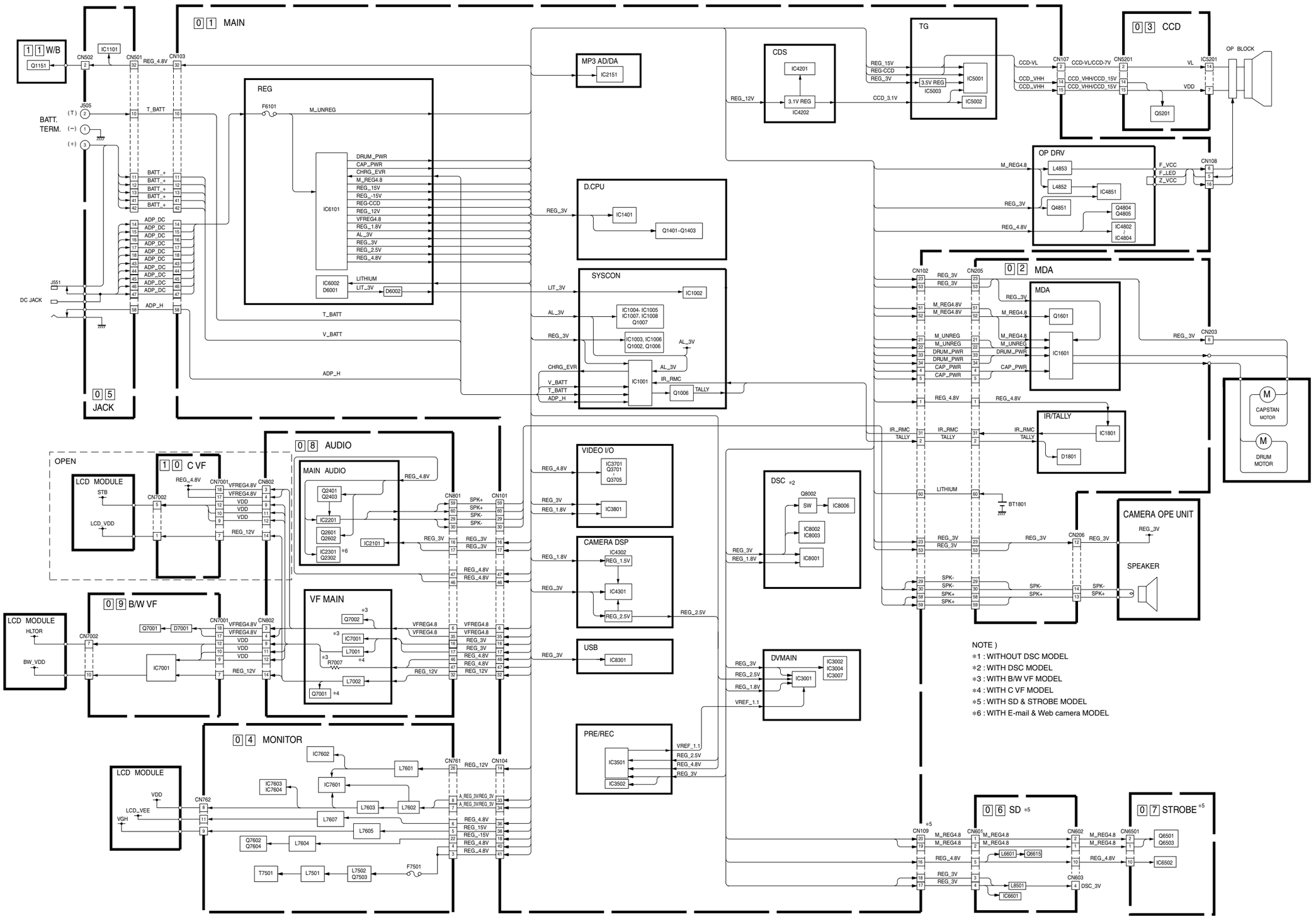
| MODE PIN NO. | EE |
|---|---|
| Q7609 | |
| E | 0 |
| C | 4.8 |
| B | 0 |
| Q7610 | |
| E | 4.8 |
| C | 1.4 |
| B | 4.8 |

**<B/W VF>**

| MODE PIN NO. | EE |
|---|---|
| IC7001 | |
| 1 | 3.1 |
| 2 | 4.8 |
| 3 | 0 |
| 4 | 0 |
| 5 | 0.9 |
| 6 | 2.4 |
| 7 | 1.7 |
| 8 | 1.7 |
| 9 | 1.3 |
| 10 | 4.8 |
| 11 | 0 |
| 12 | 0 |
| 13 | 4.8 |
| 14 | 7.6 |
| 15 | 4.8 |
| 16 | 4.8 |
| 17 | - |
| 18 | 5.8 |
| 19 | 1.9 |
| 20 | 9 |
| 21 | 0 |
| 22 | 2.6 |
| 23 | 4.8 |
| 24 | 2.3 |
| 25 | 3.2 |
| 26 | 3.2 |
| 27 | 3.4 |
| 28 | 0 |
| 29 | 11.1 |
| 30 | 2.7 |
| 31 | 0 |
| 32 | 9.6 |
| 33 | 1.2 |
| 34 | 0 |
| 35 | 0 |
| 36 | 0.8 |
| 37 | 0 |
| 38 | 0 |
| 39 | 0 |
| 40 | 11.3 |
| 41 | 0 |
| 42 | 0 |
| 43 | 4.8 |
| 44 | 4.8 |
| 45 | 2.4 |
| 46 | 0.7 |
| 47 | 0 |
| 48 | 0 |

| MODE PIN NO. | EE |
|---|---|
| Q7001 | |
| 1(E) | 0.5 |
| 2(B) | 1.2 |
| 3(C) | 1.2 |
| 4(E) | 0.5 |
| 5(B) | 1.2 |
| 6(C) | 1.7 |

## 4.30 POWER SYSTEM BLOCK DIAGRAM



## 4.31 VIDEO SYSTEM BLOCK DIAGRAM